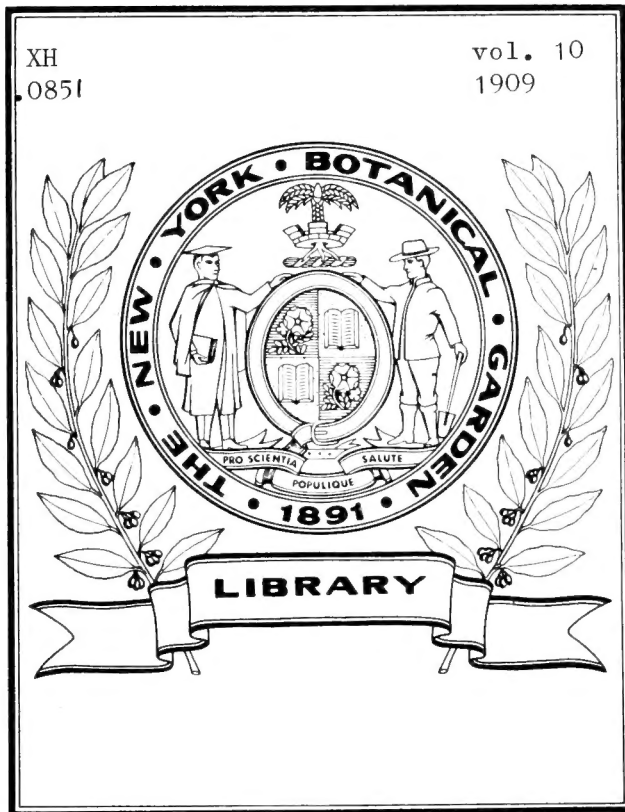


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HORTICULTURE

Vol. X JULY 3, 1909 No. 1



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NEW YORK CITY

Rhododendron indicum; Syn. Azalea indica

Enormous numbers of this beautiful greenhouse flowering shrub are bought every fall for forcing purposes, and a great many find their way the following spring to the rubbish pile simply because their culture is not understood by the purchaser. This state of affairs can easily be remedied if the following suggestions are carried out fully, and perhaps someone will be convinced of the folly of discarding valuable plants, and of spending money needlessly upon new stock.

After the plants have flowered all dead blossoms and seed pods should be removed, taking care not to injure any new shoots which may be appearing, as these will furnish the flower buds for the coming season. If necessary, the plants should then be repotted, four-fifths of fibrous peat and one-fifth of sand being a good potting compost. Firm potting is essential.

After potting, the plants should be placed in a greenhouse with a temperature ranging between 60 and 70 degrees F. They should be syringed three or four times a day to aid in the production of new wood and to prevent the attacks of red spider, thrips, etc., to which the plants are susceptible. By this treatment a nice head of growth will be produced, and it is not necessary to prune away any wood, except to shape the plants. They can either be trained in a pyramidal or bush form. In the former case, bamboo canes will be essential; these must be driven into the soil and a leading shoot selected and trained thereto.

About the middle or end of May the plants should be removed to a cold frame and allowed to remain until thoroughly hardened off, or, if no cold frame is available, they should be placed in a sheltered place and covered at night in case of frost. After all danger of frost is past, the pots should be plunged to the rims in coal ashes in a position sheltered from strong winds, but to which a fair amount of sunshine has access. This procedure will not only provide an anchorage for the plants but will also prevent the soil moisture from escaping too rapidly, thus saving extra labor in watering.

Although the *Rhododendron* tribe will stand more water at the roots than most hard-wooded ericaceous plants, care must be taken in this respect. Never allow the soil to become sodden, as this results in the death of the young fibrous roots; on the other hand, a too dry condition must be avoided. A good plan is to tap the pots, and the answering ring will indicate approximately the amount of moisture present in the soil. If a dull sound is heard the plants will not require water; if a sharp ring, the reverse. Syringing should be practised at least twice daily in dry weather. This will encourage a nice clean growth until the flower buds begin to form.

Toward the fall of the year syringing should be discontinued, and previous to the appearance of frost the plants should be removed to a cool greenhouse, thence placed in heat as required for forcing. Excessive heat is not conducive to the successful forcing of any hard-wooded plant, therefore, a temperature of from 50 to 60 degrees F. is high enough to start, and a temperature of 75 ought to be regarded strictly as the maximum.

Rhododendron indicum, as imported, usually possesses a fine root system, which is due to the peaty soil in which it has been grown. As soon as it is in the

hands of florists it is either potted in peat, or, in the greater number of cases, in loam. If in the latter, it will be observed that very few roots are formed, thus proving that loam is not at all desirable as a rooting medium, and when used alone is certainly not conducive to the production of a healthy root system.

Our failures and those of others teach us better lessons than our successes, and we must discriminate between the right and the wrong methods in order to be successful cultivators of any kind of plants.

H. J. Moore

Notes from the Arnold Arboretum

A handsome species and very distinct from all other commonly cultivated *Clematis* is the new *Clematis eriopoda* (*C. tangutica*) from North Tibet with large yellow nodding flowers. It is a woody climber growing about ten feet high and having finely divided foliage and bright yellow bell-shaped flowers about two inches long, in shape resembling a half open yellow Tulip with pointed petals; the flowers, however, are not borne upright, but nodding at the end of long and slender stalks and are in shape and color very unlike any other *Clematis*. The flowers appear successively during June and July and are followed by very ornamental heads of fruits with long feathery tails which persist on the plant until autumn. *Clematis eriopoda* has proved perfectly hardy at the Arboretum and is to be recommended as well for its attractive flowers as for its ornamental feathery fruits.

Another handsome and interesting vine and quite new to cultivation is *Periploca sepium* introduced into the Arnold Arboretum by Mr. J. G. Jack of the Arnold Arboretum who collected seeds three years ago in northern China. It is closely related to the Mediterranean *P. graeca* which is in cultivation since a long time, but little planted in this country; it is not perfectly hardy in this latitude, while *P. sepium* appears to be quite hardy, as is to be expected from plants native to northern China. The Chinese species does not seem to be such a vigorous grower as *P. graeca* which reaches a height of about forty feet; it is smaller in every part. Its dark green lustrous leaves are about two to three inches long and narrowly lanceolate in outline; the flowers appear in June and July on slender stalks in few-flowered clusters in the axils of the leaves; they are dark purple when they open, changing later to greenish or greenish purple, almost globular in shape and one-third of an inch in diameter; this peculiar shape is caused by the recurved petals which bear besides five thread-like curved appendages arranged around the short stamens. The flowers are not fragrant as are those of *P. graeca*. The light green slender pods about three inches in length and disposed in pairs are also attractive. The chief ornamental value of this vine lies in the dark green lustrous foliage which remains unchanged until late in fall.

Alfred Rehder

HORTICULTURE

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wide variety of subjects treated on by writers of repute in the gardening, floral, seed, landscape, or nursery departments of horticulture and, as it represents no small amount of labor we hope it will be appreciated and preserved with a view to future convenience. We are ready for suggestions from our friends as to topics that they would like to see covered more fully in the volume which begins with the present issue. The more diversified and comprehensive our list of contents may be the better we shall be pleased. Don't hesitate to advise us if you think you see any way in which the paper's usefulness in this respect may be extended.

A business organization
 A glance over the long line of distinguished looking faces which appear in the group picture on another page of this issue will convince anyone but the most

hardened sceptic that the American Seed Trade Association is composed of men of more than ordinary force and ability. Adversity is a capital demonstrator of what there is in a man, a business, or a society and there is no better way to bring to the front the "choice and master spirits" than to force upon them a condition of continuous struggle. The harsh cadence of many a hotly contested encounter with the trained warhorses of national legislative bodies has kept the American seedsman very much awake and no one who takes a critical look at the picture aforesaid will doubt that the seedsman is well qualified to battle for what he considers to be his rights. We are told in our seed trade notes that this last convention was a model of seriousness and decorum; a perusal of the addresses and discussions discloses an earnestness in the consideration of momentous questions which stamps the American Seed Trade Association as an aggressive business organization and its Niagara Falls meeting as an event of more than ordinary importance. "Long may they wave."

A useful
 and profitable
 crop

The general complaint of low quality in the cut flower product as received in the wholesale markets everywhere since the advent of torrid weather is nothing but what experience has taught us to expect at this season. In fact, we believe it was deferred to a later date this season than has been the case in most years. At such times the roses grown in what are known as cold houses are a boon to the florist who aims to maintain a reputation for high quality among his customers and we have often wondered why more of these "cold houses" are not operated by the large growers who seek to maintain a reputation as reliable sources of supply the year round. Nothing more beautiful can be found than the Carnots and Kaisersins produced by this system during the recent heated spell when everything else succumbed and they saved the day in many instances where presentable flowers were needed for the sweet graduate or June bride. There are hundreds of houses well past their usefulness for the production of winter roses but too good to be demolished which might be closed down in November and started up again in February and made to produce crops for Easter, June and midsummer, yielding a better net profit than if carried on in the usual manner and no doubt the list of varieties adapted to this method of treatment might be largely extended, with a little experimentation.

The complete index to the contents of Vol. IX goes as a supplement with this number. It should serve as a valuable reference list for those of our readers who may at any time desire reliable information on the

European Horticulture

CANNAS OF MERIT

The names of the varieties of cannas given below may be new to some of the readers of HORTICULTURE, but in regard to the beauty of the flowers and freedom to bloom they are practically jewels of great value and among the best varieties we possess. *Feuermeeer*, a most abundant bloomer, the flower of moderate size, of vermillion color, and the leaves dark green. In growth it is of medium height. *R. Wallace* is also of medium height, the leaves green; the flowers, a bright canary color, of large size with petals of great breadth. The flower is loosely formed.

Isabella Breitschwert. The plant grows tall; the leaves are of a dark green tint; flowers large, salmon pink; flower spike large; an abundant blooming variety.

W. Watson. The plant grows rather tall, has leaves of a metallic purplish brown tint; the flowers orange-salmon, becoming paler with age. They are of a peculiar form and tint, appearing gracefully above the leaves, and forming a wonderful contrast with these.

Furst Wied. The plant is dwarf, flowers velvety-red purple; spikes uncommonly large and well formed. The leaves are dark green.

Mme. Marguerite Muhle. The plant is of middle height; leaves blue-green, edged brown; flowers light carmine rose with a tinge of salmon rose; a good bloomer. A peculiar new color.

Senateur Millaud is an old variety of canna seldom found in present day lists, but, considering the beauty of its leaves it would be a pity to lose it from cultivation. As a flowering variety it is valueless, and it is better to remove the flower buds early, seeing that the flowers are detrimental to the complete effect of the leaves. These are of gigantic size and of a pleasing reddish brown tint, often growing to a height of 7 1-2 feet on well grown plants.

THE KROUMIR MELON

At the International Horticultural Exhibition at Düsseldorf in the year 1904, the Syndicate of Paris Vegetable Cultivators showed Melon Kroumir at the August special fruit show; which by reason of its sweetness and delicious aroma was distinguished among all the other melons. Further experience with this variety raised from seeds furnished by Herr Ernest Benary, has shown since that date that it is a very excellent melon for frame culture and worthy of extended cultivation. It is less tender than the fine English varieties. The fruit is thick ribbed, of oval shape, and of a dark green color when ripe and weighs from 4 to 5 lbs. The plant is a good cropper.

THE BEST RHODODENDRONS FOR FORCING

The firm of P. van Noordt and Sons, Boskoop, recommend the following varieties for early forcing: Christmas Cheer, Mme. Wagner, Pink Pearl, Princess de Monaco, Chev. Felix de Sauvage, Dr. Drude, Dr. D. Mill, Comte de Gomer, Prince Camille de Rohan, and Album Splendidum.

A Rhododendron Exhibition

Messrs. J. Waterer and Sons, of Bagshot, Surrey, whose noted rhododendrons have many admirers in Britain and the United States, this summer are making a brilliant display at the Imperial International Exhibition and at the Royal Botanic gardens. As in former years the exhibit at the Botanic Gardens is contained under a gigantic marquee. Upwards of 2000 plants are arranged on undulating ground, about 200 different varieties being represented. A grand effect is produced by the combination of the gorgeous hues of 50,000 blooms, intermingled with *Kalmia latifolia* and *Virburnum plicatum*. An attractive novelty was seen in *Madame Moser*. This is a double rhododendron of a rich, deep crimson tint, and is likely to become as popular as some of the firm's other introductions. Pink Pearl continues to be a prime favorite with its imposing trusses of well developed blooms. Other notable varieties shown are: Mrs. E. C. Stirling, of a delightful shade of pink; Gomer Waterer, white slightly flushed with pink at the edge; Lady Clementina Walsh, light cream, edged with pink; Frances B. Hayes, white, with black spots; Strategist, pink; John Henry Agnew, pale blush, chocolate spots, and many others. Messrs. Waterer continue to find a big demand for their rhododendrons, which are allotted no less than 60 acres in their picturesque nursery in Surrey. The display has attracted a large number of visitors to the Botanic Gardens, and the firm have been the recipients of numerous congratulations for the meritorious exhibit, which is claimed to be the largest flower show made by one firm in the world.

W. H. Adsett.

Hybrid Calceolarias

I read with interest Mr. Moore's article on Robert Shore's Hybrid Calceolaria, and feel sure that in time we shall have a class of hybrids of this type that shall be more adapted to our American climate than the herbaceous ones that have been grown in past years. Any one who has grown them knows how hard it is sometimes to coax them through the hot months of summer, and if they are not started about the end of June or first of July a large specimen is out of the question when flowering time comes in the spring, and they do not stand the bright spring sun so well as the rugosa type.

James Crosby, gardener for Mrs. J. W. Tufts of Medford, Mass., had a fine display of interesting crosses the past spring. The different colors of the herbaceous varieties were crossed with *Rugosa Golden Gem* and *Stewartii* both ways. The result was a mass of large clusters of flowers of various shades of coloring. They were grown in five-inch pots and I don't think I ever saw anything so floriferous in that size of pot. During their growth the plants were quite stocky with strong rich green leaves very much resembling the shrubby habit of *Rugosa*. They root quite freely from cuttings. Mr. Crosby selected a number of the best varieties and intercrossed again and by next spring may have something quite interesting.

Fredrick Moore

George F. Stewart.

AFTER ADJOURNMENT.

Our Philadelphia office was favored on the 30th ult., with a goodby visit from J. D. Eisele, general manager of the plant department of the H. A. Dreer Corporation, who sails July 3rd, on the S. S. Minnetonka, from New York, for his annual business and pleasure trip to Europe. He is accompanied this time by his wife and daughter.

As we go to press the New York Florists' Club members are indulging in the closing festivities of their greatest day in the year—the outing for which the industrious and indefatigable managers have been working almost continuously for months. To make a popular, social and financial success of such an affair is no light responsibility and we often think that the hard work which must be put into it by those selected to perform the duty is very inadequately appreciated by those whose enjoyment they labor to promote. Next week we shall give a full account of the New York club's event and we hope to be able to record it as the greatest success in the line of picnics, up to date.

Amidst all the vicissitudes which the bedding plant has experienced, one member of the group—the zonal geranium—has held its own, without any abatement of popularity and today stands as high in favor with the gardening public as it ever did. In fact, the present season has seen an actual famine for the most desirable varieties in many places and prices have been maintained throughout. In the meantime specialists have continued to hybridize and improve, and each year sees some notable advancement in desirable qualities. "When geraniums are mentioned one thinks of Vincent," for there is nothing promising in geraniums produced which does not get a trial at the big Vincent geranium ranch. Their new advertisement in this issue should not be overlooked.

The assertion by Mr. Danzer in his talk on the development of the florist business, which we refer to briefly in this issue, that the retail trade are anxious to back up the growers in popularizing new varieties is most reassuring to the well-wishers of the florist trade, if generally true. It has been usually represented that the retail trade as a whole was opposed to any further diversifying of the commercial cut flower product because it entailed their carrying a larger daily stock on hand. Mr. Danzer's experience is in Detroit, a city that has always enjoyed an excellent and discriminating flower demand. He makes a good point when he intimates that the indulgence in a greater variety of material would emphasize the divergence between the legitimate flower store and the street dealer, the latter thriving mainly on the surplus of the standard product.

Indianapolis. The plantsmen are all through and well satisfied with the spring trade. The heavy rains that we have had in this section have been bad for young carnation stock and if they keep up will do considerable damage.

BACK TO PURE TYPE.



The accompanying picture shows a field of typical Bermuda lilies, the early blooming long trumpet form which originally gave this lily its great preeminence. The plants shown in this picture are from large bulbs, those seen in the cover illustration being one year younger. Theodore Outerbridge, the owner, states that he start-

ed the stock four years ago with but five hundred bulbs. The very gratifying result is evident in the photographs. Another season he hopes to have some to offer to the trade and the outcome of this effort to regain the purity and health which the Bermuda *Harrisii* originally possessed will be noted with interest by the bulb-forcing trade generally.

PHILADELPHIA NOTES.

Most of the wholesale flower markets have announced that they will be closed all day, July 5th.

Lilly & Upton, wholesale florists, Sanson above 15th street, have dissolved. Samuel Lilly, the senior partner, will continue the business.

David and Jonathan are in town this week. That's the only way to describe the affectionate reunion of Jno. Westcott of Philadelphia, and H. B. Beatty of Pittsburg.

Thomas Roberts, gardener for Col. Morrell, Torresdale, Philadelphia, and Mrs. Roberts sailed on the Lusitania, June 30th. They will visit their old home in Wales and the noted country seats nearby, as well as Kew, Veitch's and other celebrated public and commercial institutions.

A HARDY YELLOW CARNATION.

We are advised by Hjalmar Hartmann & Co., of Copenhagen, Denmark, that they have sent six plants of the sensational new hardy carnation Countesse Knuth to Yokohama Nursery, New York, and two to R. & J. Farquhar & Co., Boston, for trial so that American carnation growers may have an opportunity to see the flower of this novelty which has been so favorably commented on by European writers. Countesse Knuth is a yellow carnation, unlike any other in existence, flowering with stiff stems from July to November in the open border in great profusion and pronounced absolutely hardy. Messrs. Hartmann & Co. will begin dissemination of this novelty next September.

WASHINGTON NOTES.

Washington has been sweltering under the most torrid wave that has visited the city in years. Business is quite dull, commencements are over and even Cupid is enervated by the heat. All the city is agog, though, over the forthcoming automobile and flower parade that will take place on the 5th of July. Autos will be decorated with flags and flowers. The Washington Post offers a first prize of \$100 for the handsomest decorated auto. It is to be hoped that this flower parade, at least, will become an annual custom. It will be of inestimable value to the florists, as well as to the flower-loving public.

Personal.

John Robertson, of 1108 Cincinnati avenue, Washington, D. C., has closed his store pro tem, till he can find new quarters.

Wm. R. Smith of the Botanical Garden, Washington, has been seriously sick at his home, but at the present writing is somewhat improved.

John A. Clark of the Botanical Garden, Washington, sailed for Scotland on the 28th ult. He will make a short visit to his native country and it is thought will bring back some fresh ideas.

New York, N. Y.—The American Nursery Co. secured the contract for furnishing and delivering stock for the Metropolitan and City hospital districts, Blackwell's Island Dept. of Charities.

NEWS OF THE CLUBS AND SOCIETIES

PENNSYLVANIA HORTICULTURAL SOCIETY.

The sweet pea show held on the 29th inst. proved a pleasant surprise. The hot wave of a week made everyone believe there would be very few good flowers. But the general average was of exceptional quality and there was keen competition among the private gardeners for the prizes offered. Far and away above all else was the magnificent exhibit of Burpee & Co. of over fifty vases shown as sweet peas ought to be shown. This was a revelation to most of the visitors and exhibitors. The display was under the charge of Mr. Kerr. We trust the powers that be will take the hint and hereafter arrange the schedule so that the sweet pea may be shown in its most artistic form. Framers of schedules have more to answer for than they think. Herbaceous perennials were a strong feature of the exhibition. Newbold, Pepper, Penfield, Ellison, Bodine, Wanamaker, Morrell, Drexel, and many other private estates took part.

The awards on sweet peas were as follows:

Six vases, six varieties, 1st, J. W. Pepper, gardener Wm. Robertson; 2d, Mrs. F. C. Penfield, gardener John McCleary. Fifteen vases, fifteen varieties, 1st, Mrs. Penfield; 2d, Col. E. V. Morrell, gardener Thos. Roberts. White Spencer, H. H. Ellison, gardener Samuel Hammond. Lovely Spencer, Ramona Spencer and vase of mixed varieties, Mrs. F. C. Penfield. Twelve vases, twelve varieties, 1st, Mrs. F. C. Penfield; 2d, John W. Pepper.

Hardy herbaceous perennials. 1st, C. B. Newbold, superintendent Thos. Logan; 2d, Samuel T. Bodine, gardener Francis Canning.

The committee to act under the Landreth resolution of Tuesday was constituted as follows: Capt. Burnet Landreth, chairman; H. W. Wood, Richmond, Va.; Albert McCullough, Cincinnati, O.; J. M. Lupton, Mattituck, N. Y.

NEW LONDON COUNTY HORTICULTURAL SOCIETY.

The annual rose show of this society was held in Town Hall, Norwich, on June 24, with a display that for extent and variety has seldom been surpassed here. Mrs. W. C. Lanman, gardener Charles T. Beasley, G. S. Palmer, gardener Alfred Flowers, Alfred Mitchell, gardener Gustav Neuman, John Moore, the Geduldig Estate, and the Plant Estate were the chief exhibitors and were well represented in the various classes. Peonies vied with roses for attention; pansies were shown by John Moore and W. W. Ives; Alfred Mitchell's table of fifty varieties of herbaceous flowers was notable; and a centre of attraction was the exhibit by C. T. Beasley of a dinner table decorated with roses, a table of mammoth gloxinias, and one of exquisite begonias and four dahlia novelties. Among the thirty varieties of peonies shown by Gustav Neuman, "New London" seemed to be the sensation of the hour. Vegetables were shown in good variety and prime condition.

CONNECTICUT HORTICULTURAL SOCIETY.

This society held its second June meeting on the 25th ultimo, President Huss being chairman. Many arrangements were made for the fall exhibitions; and it was decided to continue the dahlia show for two days, September 23d and 24th. It has formerly been held but one day. A change has been made in the dates of our chrysanthemum exhibition, owing to prior engagements of the Putnam Phalanx Hall; and November 3d and 4th are now set down as the dates. The society voted to raise the admission fee at the last named exhibition, from 10 to 25 cents, with the 10 cent fee continuing for school children. Thomas B. Sperry, of New Britain, made a handsome display of cut blooms of sweet william, and received a vote of thanks for the same. Amos Reynolds, of Hartford, one of our long-time and esteemed members, is critically ill; and the society voted to send, through the secretary, its cordial expression of sympathy, and its heartfelt desire for his speedy recovery. Mr. Reynolds is a man of genial and kindly spirit; and all our members sympathize with him in his affliction. Our schedules are now being completed for the fall exhibitions, and the life members of the society will be given a special invitation to contribute, if they so elect, prizes for flowers, fruits or vegetables. The next meeting will not be held until August 27th, as the vacation season and period of relaxation is now in its commencement.

GEORGE W. SMITH, Secretary.
Melrose, Conn., July 1, 1909.

TEXAS NURSERYMEN'S ASSOCIATION.

The tenth annual meeting of the association will be held at College Station, July 28 and 29, in conjunction with the Horticultural Society and the Nut Growers' Association. Among the addresses we note: "Ornamentals for the Coast Country," by H. C. Styles, Raymondville; "Shade Trees: What Kind and How to Handle for Best Results," by C. C. Mayhew, Sherman; W. A. Yates, Brenham; "Landscape Improvement—the part of the Nurseryman," W. B. Munson, Denison; J. F. Sneed, Tyler. J. W. Tucker leads the discussion on "The Nursery Office." "Damage Suits: How to Meet the Issue," is another topic that will undoubtedly draw out many opinions.

PREPARING FOR MILWAUKEE FLOWER SHOW.

Preliminary arrangements are now under way for the flower show which is to be held in Milwaukee. The premium list has not as yet been issued, but the club expects to offer perhaps \$3,000 to \$5,000 in premiums. The show is to be held in the new Auditorium building which is now under construction and which will probably be completed early in the fall. This will be an ideal building in which to hold this kind of a show.

SOCIETY OF AMERICAN FLORISTS' CONVENTION.

Just for a few moments I wish to talk briefly to you about Cincinnati, the Queen City of the west, and where we hope you will attend the 25th anniversary of the Society of American Florists. First I will tell you that we have hot weather here now, in July, and in August; so do you, matters not where you live, unless it's at the North or South Pole. Right here I want to say that for the past month we have not had a single case of typhoid fever in the city that originated here, and only two cases in all, and these were imported from other places, so you do not have to be afraid of drinking our water. Our hilltops are not to be surpassed by any city on the American continent; they are picturesque and beautiful, as car rides in any direction will tell, and show you.

Those exhibitors who have not secured space should do so at once by writing the Superintendent, Wm. Murphy, 311 Main St., Cincinnati, O.

Later I will tell you more of Cincinnati Beautiful, but make up your mind now that you will attend the 25th annual meeting, the Silver Jubilee of the S. A. F., August 17th to 20th inclusive.

E. G. GILLET.

NATIONAL SWEET PEA SHOW.

The proposed National Sweet Pea Society of America will hold their first annual exhibition at the Museum of Natural History, Columbus avenue and 77th street, New York City, on July 7th and 8th. Through the courtesy of Dr. Bumpus, we will also be allowed to use the Siberian Hall for the Convention.

A paper will be read by Rev. W. T. Hutchins of Santa Rosa, Cal., Prof. John Craig of Ithaca, N. Y., and others.

Great interest is being shown by Sweet Pea enthusiasts throughout the country, and it is expected that there will be over 1,000 vases of Sweet Peas exhibited.

Special cups, medals and money prizes have been offered in the various classes, by A. T. Boddington, W. Atlee Burpee, Peter Henderson & Co., W. W. Rawson & Co., Stump & Walter, H. A. Dreer, Morris County Gardeners' and Florists' Society, C. C. Morse & Co., J. M. Thorburn & Co., Watkins & Simpson, H. F. Michell Co., F. R. Piereson Co., Florists' Exchange, H. A. Bunyard, John Young, Jerome B. Rice, H. E. Fiske Co., Harry Turner, F. H. Traendly, and Chas. H. Totty.

The judges will be: Mr. G. W. Kerr (with W. Atlee Burpee), Wm. Sim of Cliftondale, Mass., and Edgar A. Higgins, Avoca, N. Y.

The scale of points for judges will be as follows: Stem, 35 points; size, 15; rarity, 5; number of flowers on a stem, 25; color, 15; fragrance, 5.

Application blanks for charter membership, schedules and further particulars and information can be had from Harry A. Bunyard, secretary pro tem, 342 West 14th street, New York City.

MASSACHUSETTS HORTICULTURAL SOCIETY.

When the Massachusetts Horticultural Society set the date for its annual rose and strawberry exhibition it did not reckon on the spell of weather which hit the country at that date. Accordingly the show which opened at noon last Saturday at Horticultural Hall and continued until Sunday at six o'clock, was one largely of other flowers than roses. To be sure there were roses in profusion, but no such choice ones as would have been shown had it not been for the hot weather. With the other flowers, the strawberries and a choice collection of summer vegetables, the main hall, the small hall and the loggia were well filled. The exhibits, as a whole, were remarkably good, and some distinct novelties were shown.

Principal among the rose exhibitors was M. H. Walsh of Woods Hole, who displayed about 250 hybrid teas, representing nearly every color and all varieties of standard cultivation, the whole making a wonderfully handsome exhibit.

C. W. Parker, W. J. Clemson gardener; J. O. Christensen; George R. White, gardener F. Gavin. A. F. Estabrook, W. A. Riggs and several others were well represented in the rose display. A seedling resulting from *Wichuraiana* and *Crimson Rambler* crossed with a H. P., raised by Jackson Dawson and named Prof. Sargent, attracted much attention. It is a single, delicate pink and grows to a height of ten feet.

In the general class of hardy herbaceous flowers and plants, R. & J. Farquhar & Co. showed a large and fine collection, massed for effect with rocks and ferns. William Whitman, gardener Martin Sullivan, showed campanulas, foxgloves and sweet williams. The Old Town Nurseries, a collection of campanulas, larkspur and phlox, Walter Hunnewell of Wellesley, gardener T. D. Hatfield, hardy herbaceous flowers including Sutton's new red larkspur, The Bellevue Nurseries, herbaceous flowers including campanula and some fine pentstemons, W. W. Rawson Company, sweet peas and Spanish iris, Francis J. Rea nymphaeas, W. A. Manda myosotis, campanula and pink spirea, Mrs. F. Ayer, gardener George Page, an unprecedented fine display of campanulas and sweet williams, W. G. Postings, splendid collection of sweet william Newport Pink.

In addition to the regular premiums special awards were made as follows:

Silver medals: Jackson Dawson, Rose Prof. Sargent (R. *Wichuraiana* X *Crimson Rambler* X pink hybrid); Prof. C. S. Sargent, *Rhododendron*, light pink maximum hybrid.

Bronze medal: Bellevue Nurseries, artistic display.

Certificates of merit: W. G. Postings, seedling branching *Delphinium Belladonna*; W. W. Rawson & Co., new sweet peas.

Honorable mention: George Hollis, peonies; E. J. Shaylor, ditto; T. C. Thurlow & Co., ditto.

Vote of thanks: T. C. Thurlow & Co., vases of kalmias; W. A. Manda, display of herbaceous plants; R. & J. Farquhar & Co., display of peonies.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Program of the eleventh annual convention to be held in Seattle, Wash., August 9-12, 1909:

First day, Monday, August 9.—Morning session 9 a. m. in the Chamber of Commerce. Address of welcome by the Mayor of Seattle. Response by the president of the association. Reading of minutes, secretary-treasurer's report and other general business. 1.30 p. m., excursion to Volunteer Park, Interlaken Drive, Washington Park, over Roanoke extension to Woodland Park. 8 p. m., reading of papers and discussion.

Second day, Tuesday, August 10th.—Morning session, 9 a. m., reading of papers and discussion. Miscellaneous business 1.30 p. m. Visit to Leschi Park around Mercer Island to the Alaska-Yukon-Pacific exposition grounds, where the balance of the day will be spent.

Third day, Wednesday, August 11th.—Morning session, 9 a. m., election of officers, choosing place of next meeting and general business. 1.30 p. m., visit to the playgrounds and a trip along the boulevard to the shores of Lake Washington, crossing over to Bailey Peninsula.

Fourth day, Thursday, August 12th.—Visit to parks in Tacoma and possibly, August 14th, a trip in the Paradise Valley under the direction of the Park Board of Tacoma.

Delegates to the convention may leave or connect with train leaving Boston, B. & A. R. R., July 27, 10.30 a. m.; Chicago, C. M. & S. P. R. R., July 28, 6.45 p. m.; Minneapolis, N. P. R., July 29, 10.45 p. m.; Gardiner, N. P. R., August 5, 7.15 p. m.; Spokane, N. P. R., August 7, 4.45 p. m.; arriving in Seattle, August 8, 8.30 a. m. This allows delegates five and a half days' trip in the Yellowstone National Park and one day spent in Spokane as the guests of the Chamber of Commerce of that city. Full particulars may be had by addressing either of the committee of arrangements, the president, John W. Duncan, Boston, Mass.; the secretary-treasurer, F. L. Mulford, Harrisburg, Pa., or Theodore Wirth, superintendent of parks, Minneapolis, Minn.

Perhaps the finest exhibition of American park photographs is that now on exhibition at the Alaska-Yukon-Pacific Exposition, gotten up under the auspices of this association. The scheme of getting together a collection of photographs of parks throughout the country was conceived by the president of the association, John W. Duncan, of Boston. These pictures will remain on exhibition until the close of the exposition next fall.

Among the cities sending pictures are Boston, Brooklyn, Chicago, Cincinnati, Washington, Kansas City, Los Angeles, Colorado Springs, Madison, Wis.; Davenport, Iowa; Bridgeport, Conn.

BUFFALO FLORISTS' CLUB.

The regular meeting of the Buffalo Florists' Club will be held on Tuesday, July 6th, at their rooms and it is the wish of the secretary that every member be present. Important business will be transacted. The talk of all members is the "Picnic," date for which will be set at this meeting.

BIRMINGHAM (ENG.) BOTANICAL AND HORTICULTURAL SOCIETY.

This old established society which does excellent work in the country around the midland metropolis and enjoys the patronage of numerous amateurs, nurserymen and gardeners, held its exhibition on Wednesday, June 9, at the Botanical Gardens, Edgbaston. This annual affair as usual, was visited by a large number of persons, and was acclaimed by those who have known it for a long series of years, as being one of the best and largest held under the auspices of the society. The highest award, a gold medal was won by R. H. Jones, gardener to Mr. W. W. Butler, with capitally flowered orchids disposed over a groundwork of ferns. This exhibit covered a space of 180 square feet.

Mr. Mackey, gardener to Right Hon. J. Chamberlain, made a splendid show and was awarded the second highest prize—a silver gilt medal.

Messrs. Moore, Ltd., of Rawdon, Leeds, showed beautiful species and hybrids, receiving a silver medal.

Yorkshire (Eng.) Gala.

This, the great event of the year in the northern country, took place at Bootham Park, on June 16, and two following days. The trade exhibits were very numerous and extensive, and contributed largely to the success of the show. Groups of flowering and foliage plants were staged to the number of six, and these were of unusual character. In these exhibits, the matter resolved itself into a competition of skill in arrangement, and the merits of the various plants of which the group consists; the former being probably of the greater value. The specimen stove and greenhouse plants, so greatly fallen, and so undeservedly so, from their pride of place were shown by Jas. Cypher & Sons, of Cheltenham, who keep up the old tradition.

Tuberous rooted Begonias were grandly shown by Mr. Winn, of York, and large specimen fuchsias, a York specialty, were conspicuous objects. Roses were of fine quality, and very numerous, and fine H. P.s, and pillar plants were observed. The largest class, that for 12 cut blooms, was contested by three trade cultivators, and the leading prize was taken by G. Mount of Canterbury.

FREDERICK MOORE.

AMERICAN CARNATION SOCIETY.

Carnations Registered.

The following new carnations have been registered during the past season, with The Perpetual Flowering Carnation Society of England. Growers on this side will please take notice to avoid duplication of names.

Hon. Mrs. Francis Agar, deep rose pink. Registered by the Hon. Francis Agar.

Mary Vilren, rose. Registered by Blackmore & Langdon.

Ranston Gem, sport from Boyes' Victory, apricot and orange. Registered by Sir Rand L. Baker, Bart.

Rose Dore, golden rose. Registered by W. B. Lanchester.

Golden Glory, yellow. Registered by Heath & Son.

Ethel Whitney, crimson. Registered by Gore & Whitney.

Charles, crimson. Registered by C. Engelmann.

Rex, light pink. Registered by C. Engelmann.

Burroughs Scarlet, scarlet. Registered by E. T. Johnstone.

Black Chief, crimson. Registered by Hugh Low & Co. A. F. J. BAUR, Sec.

Dear Sir:

BUSH HILL PARK, ENFIELD, MDD'X, June, 1909

HUGH LOW & CO. Dissolved

In consequence of the voluntary Dissolution of my late Firm, I have much pleasure in informing you that I have taken over the Royal Nurseries with the greater part of the stock. These Nurseries were formed by me in 1881, under the instructions of my late Father, and since his death, I have taken an active part in the direction of the business.

The staff which is transferred, practically intact, includes such well-known men as my representatives — Mr. Harry A. Barnard, Mr. F. W. Ashton, and Mr. Laurence J. Cook. Mr. Edward Tack as Orchid Specialist and Grower, and Mr. M. C. Allwood, the enthusiastic Carnation Man. Messrs. Moore, Reid and Meades, amongst the Roses and Fruit Trees, and Mr. Phillips in the General Department.

I feel that with such men at my back, clients can rely upon the same care and attention being given to their business as under the old regime.

Esteeming your orders and enquiries, believe me to be always at your service as heretofore.

Please address all communications

Obediently yours,

STUART LOW & CO.,

Bush Hill Park, Enfield, Midd'x, England

STUART H. LOW

Kentias, Arcas, Latanias, Cocos, Phoenix, Araucarias, Rubbers, Crotons, Pandanus, Asparagus, Ferns for Dishes. 200,000 Bedding Plants, also Rooted Cuttings of Coleus at low wholesale rates.

Orders taken for imported plants for fall delivery

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE,

MASS.

FOR SALE

A Large Specimen Plant of

CYCAS REVOLUTA

4½ to 5 ft. high.

WHITTET & CO., Lowell, Mass.

JARDINIERE FERNS

IN BEST VARIETIES. VERY FINE STOCK.

\$3.50 per 100, \$30.00 per 1000

ROSE HILL NURSERIES

New Rochelle, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

SAVE

your weekly copies of this paper.

DON'T

throw them away.

The contents are always of PERMANENT VALUE and you may need them for reference tomorrow, a year from tomorrow, or still later.

GERANIUMS

ARE A SPECIALTY WITH US

A Gentleman well known in the Horticultural world said a few days ago when looking over our place, "Generally when we think about Vincent we think about Geraniums." That's all very well, but what we want you to do is when you think about "Geraniums" to think about "Vincent," and if you will think about what you are going to grow next season, soon, and will write us we will give you a special price that will interest you, to the extent, that we will have your order booked by return mail. This will enable us to gage our propagation to better meet the demand. The Collection we are offering for next season will without a doubt be the best commercial collection ever offered to the American Trade.

Easter will come next spring March 27th, so you will want to get your Geraniums in good time, and by the way, is there not more sure money in good Geraniums than in some other stock generally grown for Easter?

FOR IMMEDIATE SHIPMENT

We will send 1000, 50 each of 20 good distinct kinds, our selection of either single or double, from 2 in. pots, for \$18.50; from 3 in. pots, \$25.00, Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

JOHN WATERER & SON, Ltd.

American Nursery

Bagshot, England

Are Specialists in the

REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants

American Grown Roses

Fruit and Ornamental Trees. Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva,

N. Y.

Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our HOLLAND NURSERIES

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights, P.O. No. 1, Hoboken, N. J.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

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DETROIT, MICH.

**Artistic Designs . . .
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Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

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SAMUEL MURRAY Florist

Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.
Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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DENVER . COLORAD
**WILLIAM L. ROCK
FLOWER CO.**
KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

NEW YORK BOSTON PHILADELPHIA
TAKE CARE OF OCEAN STEAMERS



Can Deliver to Lake
Liners

NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

PERSONAL.

John O'Keefe of Lenox has taken a
position with A. N. Cooley, Pittsfield,
Mass.

Charles Lenker of Freeport, N. Y.,
sails for Germany on July 3rd. Bon
voyage.

Lincoln A. Coles of Kokomo, Ind.,
was married on June 30 to Miss Mir-
iam Kitchen Young.

Reuben C. Blatchley and Fannie
Clara DuPlessis of Meriden, Conn.,
were married on June 23. *

Herbert T. Capers of Wellesley,
Mass., was married on June 16 to Alice
J. Evans of Watertown.

John Henry Edmonds, a florist of
Poughkeepsie, N. Y., was married on
June 16 to Mrs. Jennie Bennett.

Chas. Knopf of the Knopf Floral Co.,
Richmond, Ind., has been granted a
patent on a steel railroad tie and fas-
tening.

Visitors in New York: Paul Pfitzer,
representing Wm. Pfitzer, Stuttgart,

STEAMER DEPARTURES

Allen.

Laurentian, Boston-Glasgow...July 9
American.

St. Paul, N. Y.-Shampton...July 10
New York, N. Y.-Shampton...July 17

Atlantic Transport.

Minnewaska, N. Y.-London...July 10
Minneapolis, N. Y.-London...July 17

Cunard.

Lucania, N. Y.-Liverpool...July 7
Saxonia, Boston-Liverpool...July 13
Mauretania, N. Y.-Liverpool...July 14

French Line.

La Savoye, N. Y.-Havre...July 8
La Touraine, N. Y.-Havre...July 15

Hamburg-American.

Pennsylvania, N. Y.-Hamburg...July 7
Deutschland, N. Y.-Hamburg...July 10
Moltke, N. Y.-Med'n Ports...July 22

Holland-America.

Ryndham, N. Y.-Rotterdam...July 6
Leyland Line.

Canadian, Boston-Liverpool...July 7
Winifredian, Boston-Liv'pool...July 14

North German Lloyd.

Kpr. Wilhelm, N. Y.-Bremen...July 6
K'n'g'n Luise, N. Y.-Med. Pts...July 10
Kpr. Cecilie, N. Y.-Bremen...July 13

White Star.

Oceanic, N. Y.-Shampton...July 7
Cedric, N. Y.-Liverpool...July 10

Finland, N. Y.-Med. Ports...July 10
Canopic, Boston-Med. Ports...July 24

Germany; Alex. Montgomery, Jr., Na-
tick, Mass.

George E. McClure, of Buffalo, had
his hand caught in a block while mov-
ing trees recently and lost the tops of
his fingers.

Jacob Schulz and wife start on July
3 for a two months' trip through the
West, including Seattle and Yellow-
stone Park.

James Young, president of the C.
Young & Sons Co., St. Louis, will
shortly go to Atlantic City, N. J.,
where his family is summering.

A. L. Barnett, after an absence of
almost two years spent in the West,
has returned to New York and will
continue to represent Reed & Keller.

S. S. Butterfield, who has been for
many years on the staff of the Florists'
Exchange, New York, has resigned his
position and contemplates a trip to the
West.

Visitors in Boston: Chas. Thorley,
New York; George E. Dickinson, New

ALEX. McCONNELL

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NEW YORK CITY

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part of the United States, Canada, and
all principal cities of Europe. Orders
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our selection for delivery on steamships
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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

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**Choice Flowers and
Floral Emblems**
FILLED PROMPTLY

Orders by Wire-Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

**Send flower orders for delivery in
BOSTON**

and all

**NEW ENGLAND POINTS
THOS. F. CALVIN**
124 Tremont St., Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

York; W. A. Manda, South Orange, N. J.; Carl Beers, Bangor, Me.; John S. Hay, Philadelphia, Pa.; Ed. Roehrs, Rutherford, N. J.

W. J. Palmer & Sons of Buffalo, N. Y., have received for the third year from the Northern S. S. Company the contract for the decoration of their steamers "North West" and "North Land" for the season.

W. H. Long, of Chas. H. Brown, New York, will start next week on a vacation trip westward via Chicago, St. Paul, Winnipeg and the Canadian Rockies to Vancouver, Seattle and other Pacific Slope cities, returning via Salt Lake City and Denver.

C. U. Fohn, who has filled the position of superintendent in the landscape and gardening department on the Gen. Palmer estate at Colorado Springs, Colo., for some time past, was promoted on June 1 to the office of agent and manager in charge of the entire estate. Mr. Fohn was formerly on the staff at Keney Park, Hartford, Conn., and is a man of marked ability in all branches of horticulture.

ST. LOUIS PERSONAL AND BUSINESS NOTES.

Herman Ude, formerly a florist of Kirkwood, Mo., now in business in Richmond, Va., is visiting his mother and father in Kirkwood.

John Seckter, who until last week operated a florists' wire shop at 13th and Pine streets, has sold out to the W. C. Smith Wholesale Floral Co.

H. M. Schisler, Fred S. Plant and B. P. Corneli, St. Louis seedsmen, attended the American Seed Trade Association meeting at Niagara Falls, Ont.

Mr. and Mrs. Fred C. Weber and Mr. and Mrs. Theo. Miller with their daughters, sailed for Europe on the steamer Cleveland from New York on Saturday, June 26th.

The State Board of Horticulture meets here this week in the Woman's Magazine Building. The speakers will be Prof. Geo. C. Husmann and F. W. Faurot of the Department of Agriculture, Washington, D. C. The delegation will be guests at the Shaw banquet, July 1st, which will take place on the lawn at Shaw's Garden at noon.

NEW RETAIL STORES.

Marquette, Mich.—T. M. Sorenson.
Swedesboro, N. J.—Harry E. West.
Kalamazoo, Mich.—Central Florists' Store, 112 W. Main street.
Jamestown, N. D.—The Wheeler Floral Co.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN,

2 Beacon St., Boston

FINE DESIGN WORK A SPECIALTY

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

THE DEVELOPMENT OF THE FLORIST BUSINESS.

The above is the title of a paper read by F. Danzer before the Detroit Florist Club. Mr. Danzer gave a brief review of the beginning of the florist business, tracing its advancement in commercial importance, artistic results, cost of merchandising, etc., down to the present time with many interesting statistics gleaned from the census reports. He paid a hearty tribute to the pioneers and their wisdom in laying the foundation of what is now so important an industry and said that the future holds out the prospects of an equally notable advancement from conditions as now existing. He advocated the separation of producer and retail dealer, if either is to rise to his fullest possibilities, and had an appreciative word to say on behalf of the street fakir as an educating influence.

Concerning the retailer and his work he said:

"The florist, unlike any other industry, has, so to say, chosen the public as his partner. We are constantly straining our nerves to secure larger flowers, better flowers, still we do not ask any higher prices. Putting the ear to the ground, we can hear the grower growling because the retailer does not pay any more than usual, still were it not for that our ware would not be in demand as it is. The grower may be put to some additional expense in producing the higher grade of flowers, but still much greater is the expense the public has put on the retailer in selling and arranging and delivering."

"Why do we confine ourselves to so few flowers? Truly carnations and roses are favorites, but only because we make them such. There are many others which deserve our attention and the public will be very thankful for it. In fact, our future development depends on the production and evolution of a much larger variety of cut flowers. In line with other industries which are bringing forth new products to entice the buying public, and as our forefathers in the business have done, so must we profit by their experience, and, producing new varieties, in the broader sense place a distinguishing mark between the trader at the curb and the legitimate florist."

ROCHESTER NOTES.

Messrs. Purcell & Craig are well under way with their two 28½ x 150 foot rosehouses.

Geo. Boucher contemplates extending his greenhouse plant on Averal Avenue as well as making some minor alterations in his store.

Messrs. Crossman Bros. have this spring had to import several thousand S. A. Nutt geraniums on account of the great demand for this favorite.

Salter Bros. are experimenting with the "X. T. C. Dandelion killer," using the E. C. Brown Co.'s auto spray-pump. Results are, up to the present, doubtful. A. PENGEL.

BUSINESS CHANGES.

Moline, Ill.—Peterson & Eckstam Bros. have purchased the greenhouse business of G. A. Stephens.

Winchester, Tenn.—Aubrey Frink has disposed of his interest in the Barber-Frink Co. and is to take a position as manager of the Tennessee Wholesale Nurseries.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St. (N. E.)
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schuiz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tailby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Malden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

INCORPORATED.

Freeport, Ill.—Freeport Floral Co., florist, seed and nursery business; capital, \$25,000.

Chicago, Ill.—Schiller, the Florist; George Asmus, Reinhold Schiller, H. Schiller. Capital \$12,000.

Portland, Ore.—Hendee Bros.; Otho S., E. L. and S. B. Hendee; to engage in gardening business. Capital \$5000.

Gardiner, Me.—Gardiner Forestry Co., to plant trees and establish nurseries; capital stock, \$10,000. R. H. Gardiner is president, C. H. Gray, treasurer.

Dover, Del.—The New England Orchards Co., to engage in a general horticultural and transportation business; M. McD. Williams, Madison, N. J.; Jacob Williams and M. L. Justin, New York; capital, \$10,000.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA

Seed Trade

AMERICAN SEED TRADE ASSOCIATION.

President, J. C. Robinson, Waterloo, Neb.; First Vice-President, M. H. Duryea, New York; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, Ohio; Assistant Secretary, Leonard H. Vaughan, Chicago.

WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggerhof, Pres.; Burnet Landreth, Sec'y.

THE NIAGARA CONVENTION.

The 27th annual convention of the American Seed Trade Association, which closed last week after a most harmonious session, was in many respects the most satisfactory ever held. In point of attendance it undoubtedly exceeded any previous convention of the Association, while the beauty and magnificence of the surroundings made it one long to be remembered with pleasure by all who were fortunate enough to be present. Owing to the natural attractions of the place, a larger number of ladies than usually attend the convention were present, which completed a picture and surroundings at once most grateful to heart and eye.

Many Ladies at the Convention.

It would no doubt be pleasing to mention the ladies personally, and describe their beautiful toilets individually but as the writer is not a society reporter and not conversant with the terms employed on such occasions, and moreover as it is impracticable to mention each and every one by name, it is best not to mention any, but it may be said of them collectively that a more charming and lovely aggregation has rarely graced any convention. The presence of ladies is always a steadying and restraining influence and on such occasions the greater the number of ladies the better behaved are they of the genus homo.

High-Water Mark on Behavior.

By the way, it might be said in passing, that in respect to orderly behavior of the men in attendance this convention has certainly set a high water mark. In fact so very orderly and quiet were they, that a few sighed for a little of the leaven which "leaveneth the whole lump." It was a dry convention, taken as a whole—not necessarily so, of course, but even at the banquet it was a desert, save for a few cases where those present furnished themselves the cup that cheers but did not inebriate.

A Presentation.

After the close of the convention, and the election of officers for the ensuing year, the ceremony, which has now become a fixed custom, of presenting the retiring president with a token of esteem, was carried out in the large ballroom of The Clifton. In the presence of the members of the Association and the ladies, retiring President Watson S. Woodruff was presented with a handsome souvenir of the occasion. The presentation speech was made by W. F. Wood, of Louisville, Ky., and was both bright and brief, and it was feelingly responded to by Mr. Woodruff. Mr. Wood referred in

UNNEEDME IF YOU BUY BERMUDA ONION SEED

BEST IMPROVED STOCK

SEND CONTRACT ORDERS AT ONCE FOR 1910.—Don't Delay.—DO IT NOW.

Read what my customers say about me:—"More than pleased." "Your shipment reached us first." "We have splendid reports from the results of your seeds." "Will give you all of our future business." "Germination is good."

WHITE, CRYSTAL WAX: EARLIEST OF ALL White Bermuda: White and Red.

FEDERICO C. VARELA
TENERIFFE (CANARY ISLANDS) EXPERT ONION SEED GROWER AND EXPORTER

warm terms to the prompt, business-like way in which Mr. Woodruff disposed of the business of the convention, and it may be said to have been the almost unanimous sentiment of those present.

PRESENT CROP CONDITIONS.

Information as to crop conditions are more or less conflicting, but it seems about as follows: Sweet corn is looking well, though a little backward. Its condition in Ohio and Nebraska is somewhat better than in the east. Beans are hardly more than started, hence only the future can determine what the crop will be. Peas are looking well, though in Michigan rain is needed. No serious damage has yet resulted but unless rain comes soon, there will be another story to tell. In Wisconsin conditions are generally favorable though the crop is late, a fact of more or less significance. Canning has become general in New York state with prospects for a fair crop. Operations are just commencing in Wisconsin, and a week or two more will enable us to get a definite line on the crop. As to small seeds, garden beets will be short, and prices will range at least 50 per cent. over the past few years. Radish will also be short with a corresponding advance in prices. Onion seed will be somewhat short on the red flat varieties also the yellow flats, and the whites. Information to hand is only general, and some weeks must elapse before anything definite can be given. Lettuce is also said to be on the short list, but this is all that can be said of it at present. As the situation develops it will be given by HORTICULTURE from time to time, and readers may rely on the general accuracy of these reports.

NOTES.

See "During Recess" for account of the Burpee-Maule ball game.

W. Atlee Burpee and Howard M. Earl arrived home from their western crop inspecting tour, June 28th.

Crimson clover seed has advanced from 3 1-2c., which was the market price about three weeks ago, to 7c. The market is practically cleaned out.

J. K. M. L. Farquhar of Boston, sails for Europe on Saturday, July 3, and will make an extended business tour among Continental horticultural centres.

William Allen, superintendent of Homewood Cemetery, Pittsburgh, remonstrates against that part of our notes in last week's issue in which our correspondent refers to "the finest pansies ever seen in the district" as raised from Mr. Allen's own strain of seed.

PRIMULA CHINENSIS

Mitchell's Prize Mixture contains only the finest sorts, beautifully fringed.

½ Tr. Pkt. 60c. 1 Tr. Pkt. \$1.00

PRIMULA ORCONICA GIGANTEA

Lilac 50c | Kermesina 50c
Rosea 50c | Mixed 50c

Write for our Wholesale Catalogue. It will interest you.

HENRY F. MICHELL CO.

1018 Market St., Phila.

Giant Pansy Seeds

Representing seven of the best growers of Europe. Each color or strain packed separately. The proportion of light and dark is well blended.

Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, ½ oz. in each pkt.; in all, 24 pkts., weight 3 oz. \$7.56
Half Florist Collection—24 pkts., weight 1½ oz. \$3.93
Amateur Collection—24 pkt., 500 seeds in each pkt., 12,000 seeds, \$7.50
Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25
Mixture—extra fine, 1000 seeds, 25c.
Exhibition Collection—4 pkt. 500 seeds in each pkt., 2,000 seeds, \$1.00

Send for descriptive list of prize winners
JOHN GERARD, New Britain, Conn.

Mr. Allen wishes us to say that the credit belongs to R. & J. Farquhar & Co., of Boston, from whom he purchased the seed.

NEWS NOTES.

Billings, Mont.—The Billings Greenhouse Co. is the name of the new place opened by E. A. Asmus.

Attica, Ind.—About \$500 damage was done to the greenhouses of the Attica Floral Co. by a recent hail storm.

Glen Burnie, Mo.—G. A. Lotze lost a large field of sweet peas in the hail storm of June 17. Up to that time his cut had been 10,000 daily.

VEGETABLE PLANTS

CABBAGE. Field Grown, all leading varieties, \$1.00 per 1000. 10,000 and over, 85c per 1000.

CELERY. White Plume, Golden Self Blanching and Giant Pascal, \$1.00 per 1000.

EGG PLANT. N. Y. Improved and Black Beauty, \$3.00 per 1000.

LETTUCE. Big Boston, Boston Market, Tennis Ball and Grand Rapids, \$1.00 per 1000.

PEPPERS. Ruby King, Bull Nose, Sweet Mountain and Neapolitan, \$2.00 per 1000. Chinese Giant and Cayenne, 50c per 100.

PARSLEY. \$1.25 per 1000.

CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Everything "For the Land's Sake."

The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

BOWKER FERTILIZER COMPANY

Everything "For the Land's Sake."

ORDER NOW
French and Dutch Bulbs
FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

BULBS OF QUALITY

Begonias, Single, under color.....	100
" Double " "	\$3.75
" Frilled " "	5.00
" " " "	10.00
Gloxinias, under color.....	4.00
Pearl Tuberoses, \$7.00 thous.....	1.00

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York

GEO. E. DOW
Designing and Illustrating

178 Washington St., Boston, Mass.

OUR SPECIALTY

Machine, Booklet, Advertising and Flower
PHOTOGRAPHS

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE" ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/8-oz., 75c; 1/4-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.00

ARTHUR T. BODDINGTON, SEEDSMAN, NEW YORK
342 W. 14th St.,

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

FRANCIS BRILL Choice Seeds

GROWER and DEALER

HEMPSTEAD L. I., NEW YORK

ESTABLISHED 1802

*Thorburn's
Bulbs*

LILIUM HARRISII

True stock from most reliable growers

PURITY FREESIA

SEND FOR SPECIAL ADVANCE PRICES FOR
EARLY ORDERS

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Mignonette

**FARQUHAR'S
GIANT**

Oz., 75c; 1-4 oz., 25c

R. & J. Farquhar & Co.

6 & 7 South Market Street

BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

NEW CROP SEED

For Early Planting

THOMAS J. GREY CO.

2 SO. MARKET ST., BOSTON, MASS.

Mum Canes

What you want now

7 to 8 ft. \$7.00 1000

Wm. Elliott & Sons

42 Vesey St., New York

C AULIFLOWERS C A B B A G E E D

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.



AMERICAN SEED TRADE ASSOCIATION

AMERICAN SEED TRADE ASSOCIATION.

Continuation of Convention Report from Last Week's Issue.

On Wednesday, June 23, Prof. C. A. Zavitz, of Ontario Agricultural College, delivered a paper on "Root Crops" which proved interesting and was well received. It gave results of careful tests conducted by the Agricultural College, Guelph, Ont., showing comparisons between production of seeds of mangels, swede turnips and carrots home-grown as compared with imported seeds of same class. On the whole, home-grown has proved higher in germination and more productive of roots than the imported. A large amount of work has been done to determine the influence of different selections of seed upon the resulting crop. In the ninety-four distinct experiments conducted with large, medium-sized and small seeds, in eighty-five per cent. of the separate tests the larger seeds produced more heavily than the smaller. In a series of experiments in planting root seeds at different depths in soil through a series of years, on land of lower and higher levels, average clay loam soil, five years with mangels and sugar beets, four years with swede turnips and carrots, records showed best results at half inch below the surface. Five years' experiments thinning roots at different distances apart in the row shows as distance increased average size of root increased in crop with decrease in percentage of dry matter, and also in yield of roots per acre. In five years' experiments sowing sugar beets in rows at different distances apart, by having rows closer together furnished larger yield of roots and larger yield of sugar per acre. In thinning sugar beets at different stages of growth in each of five years the greatest average yield per acre was obtained when thinning the plants when about two inches in height.

Edgar Brown, botanist in charge of the seed laboratory U. S. Dept. of

Agriculture, Washington, D. C., gave a short address explaining something of the work the department is doing in investigating the purity and quality of seeds, etc. He said that he realized that a large amount of poor seed is sold every year and that the reason that so low a quality is sold is because the farmer very largely wants something that he can get cheaply. He does not want to pay the price for good seed. The department wishes to show him his mistake by making it possible for him to know what he is getting. The result of the work being done will be to increase the market prices for good seeds. That the general average of increase in quality is progressing has been shown during the past year, the samples being taken by the department indiscriminately showing a marked improvement, and greater care is being exercised by the seedsmen in the examination of stock they are buying and selling. He said that many are availing themselves of the opportunity to visit the testing laboratory during the summer, and extended an invitation to all whom they might be able to accommodate to visit same about the 13th of July and for six to eight weeks thereafter. The address was well received and the apparently perfectly fair attitude of the speaker was commented on favorably; he was however, subjected to a rapid fire of cross questions as to the methods of testing used, and as to the reason why there have been so many state laws introduced of so heterogeneous a character during a comparatively recent period. The speaker parried or answered all questions skilfully and contended that the department had not instigated any legislation while they were certainly not in a position to control the same, and properly direct it. Messrs. C. F. Wood, F. C. Woodruff, Wilson, Dickinson, Albert McCullough, Peppard, Ebeling, Vaughan, Dibble and Green, took part in the discussion.

At the Wednesday afternoon session an address was delivered by Prof. L. H. Bailey, Director N. Y. State College of Agriculture, on "A Campaign for Rural Progress." He said that as

there is a city phase of our civilization so there is a country or rural phase, and it is as necessary that we should develop the one as the other, but we have heretofore given our attention chiefly to the city phase; more attention should be directed to the needs and development of country life. Our attention to the rural question has been largely on the side of making farms more profitable; but while agriculture for profit is a phase of country life not to be despised, it is not all of country life. The country people must live their own lives along broad lines as well as city people do theirs; they must have their institutions, their recreations and their outlook on life. All these will contribute directly to the national life and welfare as well as to the welfare of the city people as the country people themselves; therefore it becomes a question of broad public policy for every one to interest himself in these problems. We must bring the intelligence of all the people to bear on these great rural questions in order that we may develop the rural civilization which will permanently satisfy the man of ideals and which will be a worthy contribution to the civilization of our time. The foregoing brief resume of the more salient and main conclusions does not do justice to the breadth of view and comprehensive character of the address.

A vote of thanks was returned to Prof. Bailey on motion of Mr. Crossland. A paper by Mr. J. M. Lupton, of Mattituck, L. I., N. Y., closed the afternoon's proceedings.

At the banquet Wednesday evening five-minute talks were given by Henry W. Wood, J. C. Robinson, E. L. Page, Geo. S. Green, Kirby White, Charles Dickinson, S. E. Briggs, F. C. Woodruff, C. F. Wood, J. C. Vaughan, Arthur B. Clarke, Curtis Nye Smith, Harry L. Holmes, Chas. N. Page, followed by an interesting lecture on Color Photography, illustrated with views from nature, by J. Horace McFarland, Harrisburg, Pa. The lecturer briefly sketched the scientific side of the Lumiere autochrome system of color photography, and referred to previous processes attempted. By far the



AT NIAGARA FALLS, ONTARIO.

most interesting part of the lecture to those not concerned in the technical aspects was the presentation of fifty or sixty examples of the autochrome, which were shown by a specially arranged stereopticon illuminated by a powerful electric light. The most delicate gradations of color in flowers, plants, trees and manufactured objects were noted. An extraordinary series of pictures of Niagara Falls showed the sheen and tint of the water apparently almost in motion. The commercial application of the process was illustrated by autochrome reproductions of work done from autochromes. Catalogue covers and the like were thrown on the screens in the exact colors in which the original appears, together with a separate showing of the printing process which intervened. The lecture was an interesting presentation of a novel and important process new to most of the audience.

Recognizing the efficient services of Secretary-Treasurer Kendel and his manifold duties he was voted an increase of salary of \$100.

Announcement was made by Albert McCullough of the formation of a new organization in no way antagonistic to the parent organization, to include the wholesale grass dealers. Mr. McCullough wished it clearly understood that the new association would in no way detract from the weight or influence of the parent organization.

On motion a joint committee to be composed of the Chairmen of the Committees on Tariff and Customs, Seed Legislation and Postal Laws was created to confer with similar committees of the American Florists, and American Nurserymen on matters of importance and mutual interest. The usual appropriation was voted for the National Council of Horticulture, to continue its work in the interests of the seed trade. Secretary Kendel spoke in highly complimentary terms of the work that has been done by this organization.

President Woodruff called attention to the presence of the following ex-presidents in attendance at this convention: J. C. Vaughan, '92; Albert

McCullough, 1890 and 1900; S. E. Briggs, '95; Jerome B. Rice, '02; Walter P. Stokes, '03; S. F. Willard, '04; Chas. N. Page, '05; W. H. Grenell, '06; Henry W. Wood, '07; Geo. S. Green, '08; and at his suggestion a group photograph was taken of the foregoing after the adjournment of the convention.

In accordance with custom no city was voted on, but invitations were read from Atlantic City, Denver, Niagara Falls and Saratoga, as 1910 convention cities; an informal ballot showed a majority favoring Atlantic City, but the matter is referred to the Executive Committee.

Mr. S. F. Willard, of Wethersfield, Conn., an ex-president and also ex-member of the Connecticut legislature, proposed the name for honorary membership of Mr. E. L. Coy, of Melrose, Mass., formerly of New York state, to whom he referred as a veteran seed grower, well known to most of the membership, whose long and honorable record in the seed business renders him highly deserving of such honor. The nomination was seconded by Mr. F. W. Bolgiano, of Washington, approved by Pres. Woodruff as required under the rules, and agreed to by a unanimous vote.

To Mr. Chas. Dickinson was accorded the honor of escorting to the chair the newly elected president, Mr. J. C. Robinson, who responded in a neat speech, which evidenced his full appreciation of the responsibilities of the position and his own willingness to do all in his power to fulfil them properly. In Mr. Robinson the Association secures the services of a man of excellent tact, good judgment and kindly nature who will give it strength particularly in the section from which he comes. Mr. Robinson felt that his residence west of the Mississippi, though not far from the center of our common country, might make it difficult for him to be in as close touch as he would desire with the Eastern membership, and he therefore urged that all members advise him frequently and fully as to the needs of the Association. Mr. Robinson's election was unanimous.

As a reward for his attempt to decline the honor of the office of First Vice-President, Mr. Duryea was threatened by Mr. Green with being made perpetual vice-president, and Mr. McCullough told him if that was not enough to make him sit down and stop declining election they would all agree to elect him to the first and second vice-presidencies as long as the Association lamp held out to burn, and then Mr. Duryea concluded to say no more but to accept.

Immediately after the close of the convention everybody repaired to the ballroom, where Mr. and Mrs. President Woodruff were delighted by Mr. C. F. Wood of Louisville making presentation in his graceful and happy way of solid silver compotes and bon bon dishes and some beautiful designs of belt buckles with the maple leaves embossed thereon. Mr. Woodruff responded warmly, and the conclusion of this delightful incident marked the close of the convention.

SWEET WILLIAMS.

The double and single sweet williams (*Dianthus barbatus*) were in attractive display during our last visit to Dreer's at Riverton, N. J. One of the best of the collection is the Newport Pink. This variety is strikingly brilliant in color and is exceptionally large as to truss and is borne on long stems. It is now considered very valuable for bedding purposes from mid-season on. Also fine for cut flowers. Another good one for cut flowers is the hybrid everblooming sweet william (*D. latifolius*) of which we saw some fine specimens. The *barbatus* and *latifolius* do best raised from seeds every year instead of by dividing the old plants as is done with varieties like Napoleon III.

Messrs. Lager & Hurrell, Summit, N. J., request that we correct an error in their advertisement on page 860, in our issue of June 19, in which *Brassavola Digbyana* is quoted at \$9.00 per 100 and \$60.00 per 1000 for plants with five to six bulbs—\$9.00 per dozen and \$60.00 per 100 is what was intended.

Big Value in SPHAGNUM MOSS

6 Lge 5 Bbls Bales for \$10.00

Single Bale \$2.00

THE LEO NIESSEN CO.

1209 Arch St., Philadelphia, Pa.

Please Note: We now close at 6 p. m.

ANNUAL TRADE EXHIBIT

— OF THE —

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

CINCINNATI, OHIO, AUG 17-20 INCLUSIVE

MAKE APPLICATION FOR SPACE AND RATES TO

WM. MURPHY

SUPT. TRADE EXHIBIT

311 MAIN STREET, - CINCINNATI, OHIO

CUT EASTER LILIES

Extra Fine

\$1.50 per doz. \$10.00 per 100

Can furnish in quantity

W. E. McKISSICK & BROS., Wholesale
Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
It In HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	June 29		June 28		June 29		July 1	
ROSES								
Am. Beauty, Fancy and Special.....	25.00	to 30.00	28.00	to 38.00	18.00	to 25.00	20.00	to 25.00
" Extra.....	20.00	to 25.00	20.00	to 28.00	15.00	to 18.00	12.00	to 15.00
" No. 1.....	15.00	to 20.00	10.00	to 21.00	8.00	to 12.00	4.00	to 8.00
" Lower grades.....	4.00	to 10.00	5.00	to 10.00	4.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00
" Lower grades.....	3.00	to 4.00	4.00	to 6.00	1.50	to 4.00	.50	to 2.00
Killarney, Fan, & Sp.....	5.00	to 8.00	6.00	to 10.00	10.00	to 12.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 8.00	.50	to 4.00
Richmond, Fancy & Special.....	5.00	to 8.00	6.00	to 8.00	8.00	to 12.00	6.00	to 10.00
" Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 6.00	.50	to 4.00
Chatenay.....	3.00	to 6.00	4.00	to 7.00	4.00	to 10.00	.50	to 6.00
My Maryland.....	4.00	to 8.00	.....	to	2.00	to 10.00	.50	to 8.00
CARNATIONS								
Fancy.....	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00	.75	to 1.00
Ordinary.....	.50	to 1.00	1.00	to 2.00	.50	to 1.50	.25	to .50
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	40.00	to 60.00	.....	to 50.00	30.00	to 40.00
Lilies.....	10.00	to 12.00	10.00	to 12.50	10.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette.....	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 2.00
Sweet Peas.....	.50	to 1.00	.75	to 1.25	.25	to .75	.25	to .50
Gardenias.....	.....	to 50.00	.....	to 50.00	10.00	to 12.50	8.00	to 25.00
Peonies.....	3.00	to 6.00	5.00	to 8.00	2.00	to 6.00	2.00	to 4.00
Daisies.....	.35	to 1.00	1.00	to 1.75	.50	to 1.50	.50	to .75
Stocks.....	2.00	to 3.00	8.00	to 10.00	2.00	to 6.00	.75	to 1.00
Snaptadragon.....	2.00	to 8.00	8.00	to 10.00	2.00	to 12.50	2.00	to 4.00
Adiantum.....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	.75	to 1.25
Smilax.....	12.00	to 15.00	15.00	to 20.00	12.50	to 15.00	12.00	to 15.00
Asparagus Plumosus, straggles.....	50.00	to 60.00	30.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Sprea. (100 bchs.)	20.00	to 50.00	30.00	to 50.00	25.00	to 50.00	15.00	to 25.00

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS



HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

New Crop Dagger and Fanc. Ferns \$2.00 per Thousand.

We have the stuff and can fill all orders, large or small
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.



The week's leaders. Buy liberally and push them. No retailer should allow it to be said: "Asleep at the post!"

SPECIAL RIBBONS AT SPECIAL PRICES

An Unusual Offer of Seasonable Goods at Unusual Figures

Pattern Orchid

We have a special shade in this pattern for "Lily of the Valley." It is a Beautiful Two Tone Silvery Green Satin Taffeta. Very stylish and can be used for all occasions.

No. 7 Price \$.65 No. 40 Price \$1.65
No. 100 Price \$2.75

Pattern 848

Gauze Ribbon for Shower Effects.

No. 2 Price \$.30 No. 3 Price \$.35

No. 5 Price \$.40

NOTE—The No. 2 width we offer in box lots of 60 pieces at \$.25 piece—will assort colors.

Pattern Killarney

For the Killarney Rose—Two Tone Satin Taffeta.
No. 7 Price \$.65 No. 60 Price \$2.35
No. 16 " 1.15 No. 100 " 2.75
No. 22 " 1.85 No. 150 " 3.50
No. 40 " 1.65

Pattern Supreme

In this Pattern we have Combination Shadings for Flesh Color and Lavender Sweet Pea. Also Orchid Shades—two widths only.

No. 7 Price \$.65 No. 9 Price \$.85

All quotations are per piece of 10 yards unless otherwise noted.

S. S. PENNOCK - MEEHAN CO.
The **WHOLESALE FLORISTS** Philadelphia

1608-1620 Ludlow Street Store closes 6 p. m.
Washington Store, 1212 New York Ave.

ATTENTION!

Plant and Flower Growers

If you are rebuilding, remodeling or adding more glass, don't fail to inquire into the merits of the

CASTLE SYSTEM

THE CASTLE BOILER is the best hot water heating Plate Boiler for Greenhouse purposes on the market today.

The Only System of Forced Circulation

of hot water for greenhouse heating that has demonstrated its practicability, economy and perfection of action is the

CASTLE AUTOMATIC CIRCULATOR

All others are either superseded by the Castle Automatic, or are yet in the experimental stage.

Send for Descriptive Catalogue and Testimonials from Florists Who Are Using One or Both.

DO IT NOW! Mention Horticulture

W. W. Castle Co. HEATING ENGINEERS
170 Summer St., Boston

Flower Market Reports.

BOSTON The most concise and near-truth report on the condition of the Boston market at the present time would be, "There isn't any market." We are indisputably at extreme low tide, partly because low tide is due about this date and partly because of the extreme torrid weather which has sent people away and shut off all disposition to buy flowers and has at the same time hit the flowers themselves so that very few of them are worth buying. The only exceptions to the prevailing demoralization are lily of the valley, orchids and Beauty, Carnot and Kaiserin roses from cold houses. Everything else is unsalable. Bride, Bridesmaid and Killarney roses are mildewed and discolored to an extent never paralleled. Carnations, Jacq roses and indoor sweet peas are as bad as they can be. The latter are supplanted by the outdoor crop which is now beginning to appear in fine shape and should sell readily if there was any sort of a demand.

There was no scarcity **BUFFALO** in any one line of cut flowers the past week and although weddings and graduations were at their height there was sufficient stock to supply all who were in want. As several schools (including high schools) were prohibited the use of flowers during the commencements it was scarcely felt by the florist but the matter has now been placed in the hands of a good committee who will, another season, look after the in-

terests of the dealers at large. The sale of Beauties and other stock was better than in previous years but peonies and outdoor peas coming in so heavy have taken the place of roses and carnations, and while sale of the latter has been good it might have been 100 per cent. better had the severe hot weather held off until a week later. Loads of everything were coming in on Friday and Saturday and while trade was active it could

not absorb the quantity of material received, especially peonies, peas and ordinary quality roses and a portion was carried over awaiting the cemetery florists who only had to name the price. With the thermometer registering 88 on Sunday and Monday, the market is receiving quantities of everything, carnations asleep, roses all full blown and the buyers have practically their own way.

(Continued on page 21)

WHOLESALE FLOWER MARKETS.—PBR 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	June 29		June 28		June 29		June 28	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" Extra.....	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	10.00	to 12.00
" No. 1.....	10.00	to 12.00	10.00	to 12.00	6.00	to 10.00	4.00	to 8.00
" Lower grades.....	4.00	to 6.00	6.00	to 8.00	2.00	to 4.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00	to 6.00	4.00	to 6.00	.....	to 8.00	4.00	to 8.00
" Low. gr.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	.....	to 3.00
Killarney, Fan. & Sp.....	5.00	to 6.00	4.00	to 6.00	6.00	to 8.00	4.00	to 8.00
" Lower grades.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	.....	to 3.00
Richmond, Fancy & Special.....	6.00	to 8.00	5.00	to 8.00	8.00	to 10.00	6.00	to 10.00
" Lower grades.....	3.00	to 4.00	3.00	to 5.00	2.00	to 4.00	.....	to 4.00
Chatenay.....	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.....	to 4.00
My Maryland.....	.....	to .....	.....	to .....	.....	to	4.00	to 8.00
CARNATIONS								
Fancy and Novelties.....	.....	to 2.00	2.00	to 3.00	1.50	to 2.00	.....	to 1.50
Ordinary.....	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Callieas.....	35.00	to 50.00	35.00	to 50.00	60.00	to 75.00	50.00	to 75.00
Lilies.....	10.00	to 12.00	12.50	to 15.00	8.00	to 15.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Mignonette.....	2.00	to 3.00	2.00	to 3.00	1.00	to 2.00	2.00	to 4.00
Sweet Peas.....	.35	to .50	.50	to .75	.50	to 1.00	.25	to 1.00
Gardenias.....	.....	to	20.00	to 30.00	.....	to .....	.....	to 25.00
Peonies.....	.....	to	5.00	to 8.00	2.00	to 4.00	4.00	to 5.00
Daisies.....	35	to 50	.75	to 1.00	.75	to 1.50	.....	to 1.00
Stocks.....	2.00	to 3.00	2.00	to 4.00	1.00	to 1.50	.....	to 1.00
Snap-dragon.....	2.00	to 3.00	2.00	to 4.00	.....	to	2.00	to 4.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.50
Senilax.....	10.00	to 12.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings.....	40.00	to 50.00	20.00	to 30.00	50.00	to 60.00	30.00	to 50.00
" " & Sprea. (100 bchs.)	80.00	to 25.00	20.00	to 30.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

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Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
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Telephones 4626-4627 Madison Square**Edward C. Horan****Wholesale Florist**

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Tel. 1462 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG**Wholesale Florist**

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Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,**
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

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Madison Square**New York****MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

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Telephones 3360 Madison NEW YORK
3361**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan*Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

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Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
ON HAND****GARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS,** Telephone
759 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending June 26 1909	First Half of Week beginning June 28 1909
American Beauty, Fancy and Special.....	8.00 to 15.00	8.00 to 15.00
" " Extra.....	5.00 to 8.00	5.00 to 8.00
" " No. 1.....	2.00 to 4.00	2.00 to 4.00
" " Lower Grades.....	..... to .50	..... to .50
Bride, 'Field, Golden Gate, Fancy and Special.....	2.00 to 4.00	2.00 to 4.00
" " Lower Grades.....	..... to .50	..... to .50
Killarney, Fancy and Special.....	3.00 to 6.00	3.00 to 6.00
" " Lower Grades.....	..... to .50	..... to .50
Richmond, Fancy and Special.....	3.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	..... to .50	..... to .50
Chatenay.....	.50 to 5.00	.50 to 5.00
My Maryland.....	.50 to 5.00	.50 to 5.00
Carnations, Fancy and Novelties.....	1.00 to 2.00	1.00 to 2.00
" " Ordinary and White.....	..... to .50	..... to .50

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist****444 Sixth Ave., NEW YORK**

Telephone 7062 Madison

GEORGE COTSONAS & CO.**Wholesale and Retail Dealers in all kinds of****EVERGREENS****Fancy and Dagger Ferns
Bronze and Green Galax****Main Store 50 W. 28 St.**

Phone 1208 Mad. Sq.

New York**GROWERS' CUT FLOWER CO.****CUT FLOWERS
AT
WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited, Shipments to Order, any Distance***39 West 28th Street,**Telephone 6337 Madison Square
J. J. COAN, Manager**NEW YORK****Durand & Marohn****MANUFACTURERS OF****All Kinds of Wire Work****Florists' Wire Designs a Specialty****24 Beaver St., ALBANY, N. Y.****WILLIAM H. KUEBLER****Brooklyn's Foremost and Best****WHOLESALE COMMISSION HOUSE****A First Class Market for all CUT FLOWERS****28 Willoughby St., Brooklyn, N. Y.**

Tel. 4591 Main

Manhattan Flower Market

Ship us some stock. We need a large supply of all kinds of flowers, **Roses, Carnations, Sweet Peas, Narcissus, Summer Stock** etc. for our new store. Reliability and responsibility first-class. Good prices and prompt returns. Good opportunity.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
46 W. 28th St, NEW YORK
Telephone: 1016 Madison Sq.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED

REED & KELLER
122 West 28th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

FOR FLORISTS' USE
There's **NOTHING** as good as
MEYER'S SILKALINE
Don't let them sell you anything else
JOHN C. MEYER & CO., Boston, Mass.

Order by Name
**Krick's Genuine Immortelle
Letters, Etc.**
The Best and Cheapest. Accept no
Substitute. Every Letter Marked
KRICK'S LETTERS
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by
W. J. COWEE, BERLIN, N. Y.
\$5,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

FLOWER MARKET REPORTS.

(Continued from page 10)

Considering the hot **CHICAGO** weather trade is regarded as normal by those florists having a large shipping trade. To those who depend upon the local outlet for their flowers conditions are quite different. In fact, for them business is at a standstill. There is so little demand for stock and the market is so heaped with all kinds of material, good, bad, and indifferent, that any price is accepted when a customer really wants to buy. An unusual amount of rain has fallen during the latter half of June and the temperature has averaged high, a condition that has not improved the quality of the stock. Many growers are throwing out their rose plants, reducing supply. Good Kaiserin roses are especially scarce. Beauties are in heavy crop but the sales are slow. For the most part Killarney is the mainstay in the rose line and it is holding up well. Florists begin to wonder how they got along before this rose made its ap-

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

**383-387 Ellicott Street
BUFFALO, - N. Y.**

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.



1887 ESTABLISHED 1909
KEEPING OPEN HOUSE THIS SUMMER
TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON
TOP PRICE AND PROMPT RETURNS
J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 26 1909		First Half of Week beginning June 28 1909	
Cattleyas.....	10.00	to 35.00	10.00	to 35.00
Lilies.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	.50	to 3.00	.50	to 3.00
Peonies.....	1.00	to 2.00	1.00	to 2.00
Daisies (per bunch).....	.10	to .15	.10	to .15
Stocks (per bunch).....	.08	to .10	.08	to .10
Sweet Peas (per 100 bunches).....	2.00	to 8.00	2.00	to 8.00
Gardenias.....	5.00	to 20.00	5.00	to 20.00
Adiantum.....	50	to .75	50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (100 bunches).....	10.00	to 25.00	10.00	to 25.00

pearance. Carnations are selling at a price that does not pay for the labor of picking and marketing, if indeed they sell at all. Peonies are still flooding the market, but no price can be said to be established. They have had a long run and on the whole a prosperous one. Here, as with the carnation, it looks very much to many as if we had reached a stage of overproduction though the building of more greenhouses and the planting of more peony beds goes merrily on. Lily of the valley seems to be the one flower for which there is a steady demand. It is having a rival this year in the orchid as a wedding flower. Indoor peas are being replaced by outdoor stock. A light frost June 18 killed tomatoes and corn near Chicago.

NEW YORK

The stillness of summer has descended on this market with a thoroughness and positiveness that is unmistakable. It has taken place more suddenly and earlier than usual and nobody expects to see any material change in conditions for many weeks to come. The variety and quantity of

material coming in is rapidly falling off, but not comparably to the deterioration in quantity which is seen on all sides. Of most flowers good stock is hardly to be found. Loughforium lilies are an exception and are equal to the best ever offered at any season of the year, but they are hopelessly overloaded—probably five times what the market can possibly absorb and a heavy loss to the growers seems inevitable. The New York market is wonderfully elastic when it comes to roses, carnations, peas or violets and the limit of its capacity for these things at some sort of price is rarely reached. On the other hand the lily is, and probably always will be, in a different class and over-stocking is likely to mean absolute loss. Peonies from cold storage are of excellent quality, but the outlet for them is about finished. The first asters of the season have appeared—good quality, too. Pond lilies—the coolest, most seductive material in the whole line—just now form a very general and appropriate adornment of the florists' windows.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

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ASPARAGUS PLUMOSUS

William C. Smith, Market & 61st St., Philadelphia.

Charles H. Totty, Madison N. J. Asparagus Plumosa and Sprengeri.
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ASTERS.

J. C. Schmidt, Bristol, Pa.
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Crego, the best of all, colors light pink and white. Price to clean out, \$2.50 per 1000. Edward Harris, Cumberland, Md.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.

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BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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NORTHERN FLORISTS NOTICE! I have a splendid stock of the following in right condition for this late season. The prices quoted are strictly cash: Ageratum, blue, 3 in., \$2.50 per 100, cash. Alternanthera, red and yellow, 2 in., \$1.50 per 100. Begonia Vernon, pink and white, 3 in., \$2.50 per 100. Centaurea Gymnocarpa, 2 in., \$1.50 per 100. Cannas, Musaefolia (bronze), and a yellow flowering French canna (green), 3½ in., \$5.00 per 100. Cobaea scandens, 3½ in., \$5.00 per 100. Coleus, assorted colors, 2 in., \$1.50 per 100. Fuchsias, single and double, mixed, 3½ in., \$5.00 per 100. Geranium Trego, Jaulin, Vialad and La Favorite, 3½ in., \$5.00 per 100. Heliotropes, 3½ in., \$5.00 per 100. Daisies, (Paris) white, 3 in., \$2.50 per 100. Ivy, Parlor (or German), 3 in., \$2.50 per 100. Lobelias, 2½ in., \$2.00 per 100. Petunias, single, finest mixture, 2½ and 3 in., \$2.00 per 100. Salvia Bonfire, 2½ in., \$2.00; 3½ in., \$4.00 per 100. Verbenas, Vaughan's best mixture, 2½ in., \$2.00 per 100. F. SOKOL, Worcester, Mass.

BEGONIAS

Elmsford Nurseries, Elmsford, N. Y. Lorraine Begonias.

Thomas Roland, Nahant, Mass.

Begonia Gloire De Lorraine.
For page see List of Advertisers.

BEGONIAS — Continued

Now ready for delivery, Begonia Gloire de Lorraine, strong, healthy stuff, all propagated from leaf cuttings, and ready for 3 and 4 inch pots; \$15.00 per 100, \$140.00 per 1000. New winter flowering Begonia "Pres. Taft." Awards—Bronze Medal. S. A. F., Chicago, Nov., 1908; Certificate of Merit by Pittsburg and Allegheny Florists' Club, Newport, R. I., Horticultural Society, and New York Florists' and Gardeners' Club. This beautiful winter-flowering Begonia originated in our nurseries about two years ago; it is stronger, sturdier and more beautiful than any of its predecessors. In color it is similar to Agatha; it is free and continuous flowering from November to April; each flower the size of a silver dollar. \$4.00 per dozen, \$25.00 per 100. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BEGONIA REX

J. H. Dann & Son, Westfield, N. Y.
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BOILERS

The W. W. Castle Co., 170 Summer St., Boston.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thornburn & Co., 33 Barclay St., New York.

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A. T. Roddington, 342 W. 14th St., N. Y.

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Rickards Bros., 37 East 19th St., New York.

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H. F. Michell Co., Philadelphia.

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H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

Begonias, Gloxinias, Tuberoses.

For page see List of Advertisers.

BULBS AND TUBERS — Continued

Jacobs Smits, Ltd., care Maltus & Ware, 14 Stone St., New York.
Cold Storage Lily of the Valley.

BULBS.—This ad. is our drummer. We certainly have got them and they are O. K. in size and condition owing to cold and damp spring. And the prices are right—delivered to you at 50 per cent. below Dutch bulbs, and being acclimated they flower ten days sooner. They are true, sound, clean, dry, healthy, selected stock. A postal will bring you all details as to varieties to plant or force, with cultural directions. D'Alcorn, The Southern Daffodil Farm, Portsmouth, Va. Where the fine Emperors come from.

CANNAS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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J. H. Dann & Son, Westfield, N. Y.
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CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind. Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill. Mary Tolman.

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Wood Bros., Fishkill, N. Y. Carnations, Rooted Cuttings.

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The E. G. Hill Co., Richmond, Ind. Carnation Cuttings.

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Poehlmann Bros. Co., Morton Grove, Ill. For page see List of Advertisers.

CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind. For page see List of Advertisers.

C. H. Totty, Madison, N. J. For page see List of Advertisers.

Wood Bros., Fishkill, N. Y. Chrysanthemums Rooted Cuttings.

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Poehlmann Bros. Co., Morton Grove, Ill. For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich. For page see List of Advertisers.

William C. Smith, Market & 61st St., Philadelphia.

I. M. Rayner, Greenport, L. I., N. Y. For page see List of Advertisers.

75,000 transplanted chrysanthemum cuttings ready to bench: Opah, Kalb, Estelle, Pacific, Cremo, Yellow Jones, Monrovia, Whildin, Halliday, Bonaffon, Bailey, \$1.25, 100; \$12.00, 1000. T. W. Baylis & Sons, West Grove, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Golden Glow and Pacific Supreme, R. C., \$2.75 per 100, prepaid; 1000 not prepaid, \$25; from 2½ in. pots, \$3.50 per 100. Chas. Frost, Kenilworth, N. J.

57 VARIETIES.

Best commercial mums, 2½ in. pots, 3c. each. Gloria, 25c. Henry Trall, Frederick, Md.

Chrysanthemums. For sale, cheap for cash, 3000 plants in 2½ in. pots, and 2000 in 3 inch. Leading varieties. Fine stock. Samuel Klander, Bristol, R. I.

COAL FOR GREENHOUSE USE

Bader Coal Co., Board of Trade Bldg., Boston.

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COLEUS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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CONIFERS

John Waterer & Sons, Ltd., American
Nursery, Bagshot, Eng.
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CROTONS

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Hudson, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

DAHLIAS

David Herbert & Son, Atco, N. J.
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Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
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Wilmore's Dahlia Manual will be mailed for
twenty-five cents by HORTICULTURE
PUBLISHING COMPANY, 11 Hamilton
Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Joseph Hancock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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Stuart Low & Co., Bush Hill Park, Enfield,
Middlesex, Eng.
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ELECTRIC CIRCULATORS

The W. W. Castle Co., 170 Summer St.,
Boston.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Evergreens. Send 25 cents in stamps
for complete work on propagating and
growing Evergreens. C. S. Harrison's
Select Nursery, York, Neb.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 2570-2606 W. Adams St.,
Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St.,
Philadelphia.
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Jardiniere Ferns, 6-7 best varieties, \$3.50
per 100; \$30.00 per 1000. Rose Hill Nurse-
ries, New Rochelle, N. Y.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Palverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Sheep and Shredded Cattle
Manure.

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Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.
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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 226-228 1-2
Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

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Boston.

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9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
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FLOWER POTS

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

We make Standard Flower Pots, etc.
Write us when in need.
Wilmer Cope & Bro.

Lincoln University, Chester Co., Pa.
Syracuse Pottery Co., Syracuse, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St.,
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Rice Bros., 115 N. 6th St., Minneapolis,
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston.
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GARDEN HOSE

Revere Rubber Co., Boston, Mass.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

New and Standard Varieties.
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Godfrey Aschmann, Philadelphia, Pa.
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Standard Plate Glass Co., 26-30 Sudbury
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Sharp, Partridge & Co., 22d & Lumber Sts.,
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Parshelsky Bros., Inc., 59 Montrose Ave.,
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

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Hitchings & Co., 1170 Broadway, New York.
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J. C. Meninger Co., 117 East Blackhawk
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Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
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Hitchings & Co., 1170 Broadway, New York.
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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass.
Revere Hose.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St.,
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

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In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

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1133 Broadway, New York.
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HYOLANGEAS.

The F. B. Pierson Co., Tarrytown-on-
Hudson, N. Y.
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INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co.,
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Stump & Walter Co., 50 Barclay St.,
New York.
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Niagara Sprayer Co., Middleport, N. Y.
Niagara Brand.
Bowker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.
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Wm. Cooper & Nephews, 177 Illinois St.,
Chicago; Cyril Francklyn, 62 Beaver
St., New York. Agt.
V 1 Fluid.
Phila. Insecticide Co., 6117 Main St.,
Germantown, Pa.
Pullman's Insect and Worm Destroyer:
Nicotine.
Eastern Chemical Co., Pittsburg St., Boston.
"IMI" Soap Spray.
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"The Fumigating Kind Tobacco Pow-
der"—The first on the market and the kind
that has so many imitators, has our guar-
antee tag of satisfaction or money back,
and "The Moon Trade Mark" on every bag.
\$3.00 per 100 lbs. The H. A. Stoothoff Co.,
Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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Jos. Heacock Co., Wyncote, Pa.
Single and Made-Up Specimens.
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LILY OF THE VALLEY PIPS

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MUSAS

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Hudson, N. Y.
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MYRTLE.

Myrtle, blue for cemetery planting, \$2.00
per 100; \$17.50 per 1000. Geo. A. Dhouau,
Station H., Cincinnati, Ohio.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
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NURSERY STOCK

John Waterer & Sons, Ltd.,
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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
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Orange, N. J.
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Ordenez Bros., Madison, N. J., Box 105.
Cattleya Mossiae.
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Stuart Low & Co., Bush Hill Park, Enfield,
Middlesex, Eng.
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Largest stock in the country. Ask for
prices. Julius Rochrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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John Gerard, New Britain, Conn.
Giant Pansy Seed.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Rochrs Co., Rutherford, N. J.

PEONIES

Cottage Gardens Co., Inc., Queens, L. I.,
N. Y.
Peonies for Fall Delivery.
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Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfeld, Westpoint, Nebr.
One of the finest collections in America.
Send 25 cts. in stamps for new edition
of Peony Manual. C. S. Harrison's Select
Nursery, York, Neb.

PHLOXES

Send 25 cts. in stamps for Phlox Manual.
Fine mixed phloxes, \$2.00 per 100. C. S.
Harrison's Select Nursery, York, Neb.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.
Kroeschell Bros. Co., 35 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers. Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula obconica grandiflora. Ronsdorfer
Hybrids, the best strain in existence; com-
pact, Kernelesia, purpureasens, violacea,
rigantha and five other varieties; strong
plants from 2 1/4 in. pots, \$3.00 per 100.
Cash. Henry Schmidt, 408 Fulton St.,
Weehawken P. O., N. J.

RESURRECTION PLANTS

Write for wholesale prices on resurrec-
tion plants. Native Plant Co., Marathon,
Texas.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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American Grown Roses.
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Frank E. Crump, Colorado Springs, Colo.
Charles H. Totty, Madison, N. J.
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ROSES — Continued

The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Roses, Maids and Richmonds, strong 4 in. stock, \$8.00 per 100. American Beauties, 3 in. pots, \$7.00 per 100; 3½ in. pots, \$8.00 per 100. Rose Hill Nurseries, New Rochelle, N. Y.

RUBBER PLANTS

William C. Smith, Market & 61st St., Philadelphia.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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SEEDS

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W. Atlee Burpee & Co., Philadelphia.
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H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

Hjalmar Hartmann & Co.,
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-

men.
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A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

SHRUBS

The George Wittbold Co., 1657 Buckingham Place, Chicago.

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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Niagara Sprayer Co., Middleport, N. Y.

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.

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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VERBENAS

Lemon Verbena R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS.

William Sim, Cliftondale, Mass.
Boston and Princess of Wales Violets.
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Maria Louise Violet plants, well rooted, grown on tile benches, free from disease, selected stock, \$15.00 per 1000. Ready for immediate delivery. J. Vonder Linden, Rhinebeck, N. Y.

VINCAS

William C. Smith, Market & 61st St., Philadelphia.

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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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A. N. Pierson, Cromwell, Conn.
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BERMUDA ONION SEED.

Federico C. Varela, Tenerife, Canary Ids.
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CANNAS: BEDDING PLANTS.

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CALLA BULBS: NARCISSUS ALBA GRANDIFLORA.

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W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

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In writing to Advertisers kindly mention Horticulture

NEW OFFERS—Continued**GREENHOUSES, ETC., FOR SALE OR LEASE.**

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LARGE FLOWER POTS FOR FALL NEEDS.

Syracuse Pottery Co., Syracuse, N. Y.
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ORDER EASTER GERANIUMS NOW.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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PRICE LIST OF WINTER-FLOWERING SWEET PEA SEED.

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SPACE FOR TRADE EXHIBIT S. A. F.

Wm. Murphy, Supt., 311 Main St., Cincinnati, O.

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WANTED, MANAGER AND ASSISTANT FOR RETAIL STORE.

See Column Below.

HELP WANTED**GOOD MEN**

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

ONE OF THE BEST POSITIONS IN THE COUNTRY IS OPEN

for a Manager, competent to take full charge of a large and well appointed Florists' store in a large city. Liberal salary for the right man. Highest recommendations required.

Also a Capable Assistant Wanted

Applicants please address

WM. J. STEWART

11 Hamilton Place, Boston

WANTED—Assistant florist; must be careful at watering, tying and potting. Wages, to start, \$12.00 per week. Address, with copy of references, experience, etc., Plant Grower, care HORTICULTURE.

FOR SALE**For Sale or Lease IN BANGOR, MAINE**

Eight Greenhouses, about 15,000 ft. of glass, all stocked; hot water heating and Holly circulating system; one or more year's coal fuel supply on hand; 6-room dwelling house and bath, heated by hot water; large stable and out-houses; two or more acres of land, in high state of cultivation; all garden and farming tools.

Retail store with palm and flowering plant houses attached, in heart of city of 25,000 inhabitants. Best demand for all you can grow. Reason for selling: wish to retire from business. Correspondence solicited. Pictures on application. Write to or call for information at

WELCH BROS., 226 Devon hire Street, Boston, or

CARL BEERS, - Bangor, Maine

Greenhouse For Sale or To Lease.

Greenhouse, 20x90, built four years ago; good retail business; located near large cemetery. Death of owner reason for selling. Address

383 Ashland St., Roslindale, Mass.

FOR SALE

About 30,000 feet of glass in good condition, will sell at a low figure, or will lease to the right party, with privilege of buying. My object for selling is, I do not know anything about the business and can't hire men that do.

H. F. CRAWFORD

Montello Sta. Brockton, Mass.

For Sale Greenhouse Property

Located at Somerset and Howard streets, North Plainfield, Somerset County, New Jersey. Dimensions 248 x 106 ft. Contains three green houses 20 x 175 ft., steel frames. Trolley lines pass property. Will sell cheap and on easy terms. For particulars apply to F. B. DAILEY, care F. BERG & CO., - Orange, N. J.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE, CHEAP—A good, second-hand Horizontal Tubular Steam Boiler, 85 H. P. Auburn Last Co., So. Framingham, Mass.

FOR SALE—18 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

FOR SALE—Three thousand lights, 16x24, double thick glass, 20 lights per box, 10c. per light. F. O. B. Littleton. Frank M. Richardson, Littleton, N. H.

FOR SALE—At a sacrifice, to quick buyer, price \$3500, on easy terms, five greenhouses, one six-roomed dwelling and three acres of land; two miles from Madison, N. J. John H. Morris, Madison, N. J.

SITUATIONS WANTED

Gardener seeks situation; experienced in flowers, fruits and vegetables; excellent references. J. Bennett, Hillhurst, Orchard Park, N. Y.

MISCELLANEOUS WANTS

WANTED TO BUY—Complete greenhouse plants and all kinds of greenhouse material, to be taken down and removed at once. Terms cash. Address I. Sussner man, 229 Livingston St., Newark, N. J.

WANTED—Second-hand bags and bur-lap, any kind, any quantity, anywhere. Richmond Bag Co., Richmond, Va.

FLOWER MARKET REPORTS.

(Continued from page 2)

PHILADELPHIA Last week—June 21st to 26th—probably saw the

last of the good business of the season, so far as commencements and such affairs are concerned. Stock now coming in is of but poor quality, and there is nothing of extra grade in sight to stimulate business. The quantity of inferior grades arriving is enormous—much greater than the market will absorb. In fact there is hardly any call for such—and it practically lies over until the end of the week; and is then cleaned out for almost nothing or else sent to the dump. A sharp advance in the price of American Beauty roses took place on the 28th ult. (nearly 25 per cent.) in consequence of a rather general clearing of benches among the growers to make room for new planting. Kaiserin roses are all to the good among the whites at present, and for pink it is—My Maryland. Everybody asks for the latter in preference to any other pink at present. Carnations are very small flowers and inferior generally. There will be a crop of outdoor carnations in a few days—mostly Crocker, Enchantress and Queen. The outdoor varieites are not generally large, but they are usually very durable and sell at reasonable figures. A few outdoor gladioli are now coming in; but so far, they do not compare with the under-glass May, Shakespeare and America. The sweet pea crop is very fair considering the hot weather of the past week. Orchids, water lilies, white Japanese irises, gardenias and candidum lilies are normal as to supply, quality and demand. All the minor items are plentiful and bring up the reluctant tail end of a sluggish procession.

INDIANAPOLIS Real summer weather has set in, an average of

about 90 degrees in the shade. The stock coming in shows the effect of this extreme heat and is rapidly deteriorating. American Beauties, Killarneys and Kaiserins have the call and are fine, equal to any seen here during the winter season. There are still a few storage peonies which come in fine shape and are used to good effect in decorations. The sweet peas are particularly fine this week owing to the absence of the heavy rains. Good lily of the valley and orchids are a trifle scarce. Elaborate wedding decorations are fewer this June than for several years past, a very strong feeling of simplicity being in evidence in this line. There never was such a scarcity of Boston ferns as at the present time. Ferns and boxwood trees are in evidence by a big majority in every way that they can be used, hence the scarcity.

ROCHESTER Trade has dragged some and the week has been quiet. Our

commission salesman, Geo. Hart, reports that shippers were badly mistaken, commencement being over so that it was impossible to obtain any particular market prices, and he had to take practically any price offered. The market is glutted with carnations. We look forward to the finish of early outside stocks to steady prices a little.

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Per 100 Per 1000
 1 in. to 1 1/4 in. in diam. \$3.00 \$25.00
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 (250 at 1000 rate.)

NARCISSUS ALBA GRANDIFLORA, \$10.00 per 1000

When cash is sent with order, we prepay the freight and guarantee safe arrival.

A. MITTING CALLA LILY BULB CO.
Lock Box 380, SANTA CRUZ, CAL.

CHICAGO NOTES.

An Up-to-Date Well.

Poehlmann Bros. Co. have just completed a large well or reservoir at the place at Morton Grove. A large iron ring or band with the lower edge sharpened was used to circumscribe the excavation and as it settled down into the ground as the digging progressed, rings of cement blocks were placed one after the other on the top of the iron ring and following it down until the desired depth, 25 feet, was secured. These blocks were constructed on the place. They were grooved on top and bottom and ends so as to fit closely and make a tight cement wall. This process being somewhat out of the usual, it may interest our readers to know about it. Anything that Poehlmann Bros. do is always worth considering.

Personal and General News Notes.

All wholesale stores are closing now at 5 p. m.

Ernest Farley will spend a two weeks' vacation at Indianapolis, Ind.

C. M. Dickinson and family are resting at their summer home at Pelican Lake, Wis.

A movement led by Bassett & Washburn is on foot to close Sundays during July and August.

Mr. and Mrs. Strail will spend three months at Twin Lake, Mich. Mr. Strail is employed with A. Lange.

Otto Benthley of New Castle, Ind., will be married July 1st to Miss Betty Koepke of Chicago. They will reside in New Castle.

Nick Wietor and John Sinner leave for their annual outing in northern Wisconsin next week. They will be gone two weeks.

No action was taken regarding the giving of flowers to the school graduates. The matter will probably be laid over another year as usual.

Mr. McKellar says Cattleyas Mendellii, gigas and Mossiae are now in and the demand is fairly good, considering the glut in nearly all other lines.

H. S. Morton reports a pleasant time in the West and expects to remain till October. He will go south through California, Texas and other states.

The annual picnic will take place at Riverview Park Thursday, July 22nd. Manager Ed. Enders has secured what he considers favorable terms from the Riverview people.

The friends of W. J. Smyth who suffered a severe injury in an automobile accident as reported last week, will be pleased to learn that he is doing well and is as comfortable as could be expected under the circumstance.

Visitors this week: R. E. Tuttle and

wife, Momence, Ill.; C. B. Knickman, representing McHutchison & Co., New York; H. A. Fisher, Kalamazoo, Mich. Mr. Schaefer of the LaCrosse Floral Co., stopped over for a short visit on his way home from England.

O. P. Bassett and grandson, E. B. Washburn, left Sunday for an extended automobile trip. Their first stop was at Detroit where they were the guests of Phil Breitmeyer. They will visit Toledo, Cleveland, Niagara Falls, Washington and other eastern cities.

A Lange with his wife and son are about to start for the Pacific coast. They will stop at the exposition at Seattle, then down the coast to Los Angeles, coming home by way of Colorado and Nebraska, where they will visit Mrs. Lange's parents at Omaha.

R. E. Tuttle, formerly with J. C. Vaughan and well-known to the city trade, has bought the W. B. Smith Co.'s greenhouses at Momence, Ill., and takes possession this week. Mr. Tuttle has been there for some little time and likes it so well that he has purchased the business for himself.

Report has reached here that Joseph Smely, a well-known florist of Aurora, Ill., was severely scalded last Saturday. He had been to Chicago and returning home feeling somewhat overcome with the heat was preparing to take a bath before retiring. He somehow lost his balance and fell in while the tub was filled with scalding water. He was taken to the Aurora hospital.

Uncle John Thorpe has again been suffering from a relapse. He grows feeble with each new attack and his condition is considered very serious. He is constantly remembered with gifts of the choicest flowers. A portrait of Mr. Thorpe as first president of the S. A. F. will appear in the Chicago Daily News in a souvenir number to be issued prior to the S. A. F. convention at Cincinnati.

NEWS NOTES.

Cleveland, O.—R. Hoffman has started in the florist business at Miles avenue.

Topeka, Kan.—Joseph Bleier has added the cultivation of tomatoes and cucumbers to his present florist business.

Everett, Mass.—The board of aldermen has passed an order for borrowing \$1,500 to repair the greenhouses at Glenwood cemetery.

Providence, R. I.—E. Brooks of the T. J. Johnston Co. was the largest purchaser of the stock of the Keller Co. at the auction on June 18.

Boyetown, Pa.—W. S. Funk & Son, florists, have erected a two-story office building near their greenhouses, and have installed an electric motor.

During Recess

John Westcott's Opening.

The annual opening of the club house at Waretown, on Barnegat Bay, devoted by big-hearted "Commodore" John Westcott to the enjoyment of his friends in Philadelphia and elsewhere, under the appellation of the "Waretown Rod and Gun Club," took place under favoring auspices on Friday, June 25. There were present about twenty gentlemen, including such well known individuals as George C. Wat-

The Burpee-Maule Ball Game.

Saturday, June 26th, was a big day at Fordhook Farms, Doylestown, Pa. The Maule and Burpee forces departing from their usual program of brain against brain, indulged in a contest of brawn against brawn—in the shape of a ball game. Geo. Reynolds, on behalf of the Burpee forces, acted as master of ceremonies in the absence of Mr. Burpee and Mr. Earl, who had not yet returned from their western tour.



WARETOWN CLUB HOUSE

Front View.

son, W. K. Harris, Robert Craig, Robert Kift, James Dean, H. B. Beaty, Wm. J. Stewart, Edwin Lonsdale, John Burton, David Rust and George Anderson, and for the period of three days joy was unconfined. A pleasant feature of the occasion was the presentation of a desk and bookcase, well stocked with reading matter, to Mr. Westcott on behalf of the Philadelphia contingent; Robert Craig, the silver-tongued, being the spokesman. Mr. Westcott's chief regret seems to be that the accommodations are not sufficient to take care of several hundred of his friends at one and the same

About thirty of the Maule clan—ladies and gentlemen—including Wm. Henry himself and his manager, Mr. Dungan, attended and were hospitably entertained by their friendly opponents. A special car was chartered to take the 48 representatives of the Maule contingent to Fordhook. The spectators were figured to number at least 150. Score—14 to 6 in favor of Burpee. The Maule team won last year, so now honors are even. Congratulations and condolences!

The Baltimore Gardeners' and Florists' Club have selected July 15 for



WARETOWN CLUB HOUSE

Rear View.

time, but there will be many "week ends" between now and frost time when congenial spirits may gather under the hospitable roof of the Waretown club house. Mr. Westcott's favorite proverb, "He who lives for himself alone works for a very mean man," has its exemplification by contrast in the spirit that pervades this delightful rest spot and the unremitting efforts of its presiding genius to make everybody comfortable and happy every minute of their stay.

their picnic and Bay Shore Park for the place.

The New Orleans Horticultural Society will have its summer outing at Milneburg on July 15. Officers will then be elected.

CLUB AND SOCIETY NOTES.

The Rhode Island Horticultural Society held their rose and strawberry show on June 23, at Providence, with the usual variety and quantity of ex-

"Every Bug Has His Dose."

Insect-destroying preparations that do their work well and effectively are the cheapest. Bowker's Arsenate of Lead and Bowker's Pyrox are recognized standard insecticides and fungicides for both indoor and outdoor use. Bowker's Insect Emulsion destroys many kind of plant lice, black and green flies, etc. Call or send for catalogue.

BOWKER INSECTICIDE COMPANY
43 CHATHAM ST. BOSTON

hibits, but many were not up to the standard on account of the excessive heat of the previous days and a shower in the early morning of Wednesday.

The Chicago Florists' Club will hold its last meeting for the summer next week and appoint its committees for the convention.

At the show of the Worcester County (Mass.) Horticultural Society on June 24, the display of peonies made by George C. Thurlow, which included between 60 and 70 varieties, was a leading feature. Roses were shown in great variety. The strawberry display was never better. Philip Cunningham, gardener George Butler, showed a new berry—the Uxbridge—which was regarded with favor. George McWilliam had some extra large and finely-narrowed Corsica and Pride of Michigan.

The Florists' and Gardeners' Club of Rhode Island met on June 21 at Swarts Lodge hall in Providence. William Appleton was the speaker for the evening, and "Carpet Bedding" was his subject, which he illustrated by attractive diagrams. An invitation from James Hockey of Pawtucket to visit his greenhouses was accepted. The committee for the annual outing was appointed as follows: James Dillon, E. A. Appleton, James Hockey, C. S. MacNair and Alex. Macrae.

As will be seen by consulting our "For Sale" department, Carl Beers wishes to dispose of his florist establishment in Bangor, Me. Mr. Beers has made a competence in the place and is desirous of retiring. The establishment is in good order and offers an exceptional opportunity for somebody else to make a profitable investment.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

“NICO-FUME”

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Most Nicotine for the Money**

... Manufactured by ...

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Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

OBITUARY.

David Miller.

David Miller, aged 83 years, died at his home at Washington Heights, Harrisburg, Pa., on June 25. Mr. Miller was from a family of horticulturists, and was well acquainted with Downing, Marshall P. Wilder and many of the famous horticulturists of the last century, and his reminiscences were most delightful to listen to. He was also one of those who attended the first meeting of the American Pomological Society. Mr. Miller did a thriving nursery business up to about the time of the Civil War, near Carlisle, but as his trees were too big for the north most of them went to the south, and with the commencement of hostilities the market for his stock was cut off. Since that time he has carried on a nursery business in a small way. His most prominent introduction was the Cumberland raspberry. In the death of Mr. Miller we lose another of the famous old-time horticulturists. Although not so widely known as Downing, Wilder, and others of his contemporaries, he was very prominent locally and looked up to by all who knew him.

Daniel W. Langton.

In the death of Daniel W. Langton, landscape artist, the Hudson County, N. J., park commission, by which he was employed, loses a valuable assistant. Mr. Langton laid out the development scheme for West Side Park and this park will be a lasting monument to his memory. In his profession Mr. Langton occupied an enviable position. During his connection with the County Park Board he made many friends. He was a public-spirited man and possessed a winning personality that made friends for him wherever he went.

His last work in connection with the county park scheme was the laying out of a plan for the development of the tract at Harrison, purchased some time ago.

Mrs. Anna Brill Jordan.

Mrs. Anna Brill Jordan, widow of the late John M. Jordan, of St. Louis, died in Omaha, Neb., June 22, at the home of her son, Harry Jordan, at the age of 75. Mrs. Jordan has been sick for a long time and left St. Louis a year ago to make her home with her son in Omaha. The only one of the Jordan family still living in St. Louis is Willie Jordan, who is in with the City Forestry Department. He went to attend the funeral which was held

on Wednesday, June 23d. Mrs. Jordan was well known in the trade, who extend their sympathy to the bereaved family.

E. W. Stark.

Eugene W. Stark died suddenly on June 15 at the Jewish Hospital, St. Louis, where he had gone for an operation for gall stones. Mr. Stark was born in 1865 and while a young man acquired an interest in the Stark Nursery and Orchard Co. of Louisiana, Mo., and at his death held one-tenth of its stock. He was highly esteemed and has held many public offices. In 1908 he was elected to the senate. A widow and three sons survive him.

John Crosby Brown.

John Crosby Brown, eminent as a banker and philanthropist, died on June 25 at his summer residence in West Orange, N. J. He has been a regular exhibitor at the shows of the New Jersey Floricultural Society for many years and his death is a great loss to that organization. Besides his wife, Mr. Brown is survived by six children.

W. H. DeCamp.

Walter H. DeCamp, nurseryman, died in Cincinnati, Ohio, on June 10.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

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MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write
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IMP SOAP SPRAY

THREE SUCCESSFUL YEARS

Outdoor or Indoor

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WHITE FLY

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WORLD'S LARGEST MANUFACTURERS

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GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
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Write for Our Prices

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59 Montrose Ave., BROOKLYN, N. Y.GREENHOUSES BUILDING OR
CONTEMPLATED.

Anacostia, D. C.—Gude Bros., additions.

Altoona, Pa.—W. T. Shields, one house.

Chester, Pa.—Ernest Cutler, one house.

Natrona, Pa.—Geo. McWilliams, additions.

Kankakee, Ill.—Faber Bros., range of houses.

Owosso, Mich.—Owosso Floral Co., additions.

So. Oelwein, Ia.—Chas. Hancock, house 30x60.

Lowell, Mass.—H. L. Shedd, one violet house.

Rochester, N. Y.—Purssell & Cragg, two rose houses.

Patchogue, N. Y.—Terry & Biggs, range of houses.

Marshalltown, Ia.—Welter & Co., one house, 52x150.

Greenville, Mich.—Greenville Floral Co., range of houses.

Kennett Square, Pa.—Way Bros., two houses each 200 feet.

Cotes des Neiges, Can.—Deguire Bros., three vegetable houses.

Point Marion, Pa.—Mrs. F. Kussart, two houses, one 17x43, one 23x43.

Randolph, Vt.—H. M. Totman, addition 23 x 100; lean-to for violets, 7 x 100

Kirkwood, Mo.—Fred Ude, four houses, each 16x100. W. R. Greb, house 18x70.

Nashville, Tenn.—Geny Bros., three rose houses, each 25x185, and propagating house.

A SEASONABLE PRINTER'S
ERROR.

GARDENER REQUIRED — Clever gardener will find constant and profitable employment on the Countess Sparzini's hat.—Fliegende Blatter.

STANDARD PLATE GLASS CO.

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NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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GREENHOUSE GLASS

GERMAN AND
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261 to 287 A Street

BOSTON

20 to 22 Canal Street

Special Sale on Second-Hand PIPES AND BOILER TUBES

1 in. pipe, \$2.35; 1½ in., \$3.13; 2 in., \$3.72; 2½ in., \$4.94; 3 in., \$7.85; 3½ in., \$10.28 per hundred feet.

Boiler Tubes 2 in., \$2.20; 3 in., \$4.00; 4 in., \$6.57 per hundred feet.

Sale going on to July 10.

ALBERT & DAVIDSON, Brooklyn, N. Y.

Tel. 5022 Williamsburg

68-70 Troutman St.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 2 1/2 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

Standard Flower . . . POTs

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



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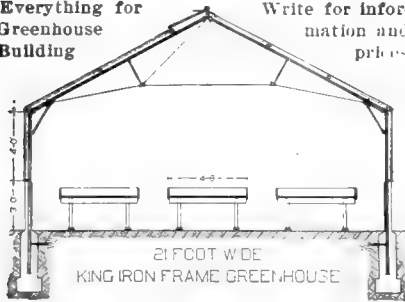
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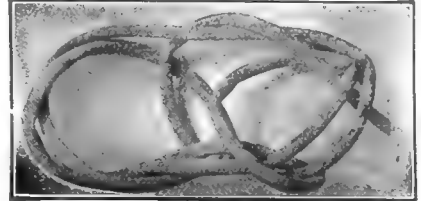
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HORTICULTURE

Vol. X. JULY 10, 1909 No. 2



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 Satisfaction Guaranteed.

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9-in. tub, 4 plants, 42 to 48-in. high..\$ 4 ea.
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Group of Calvat's Chrysanthemum Novelties.

At Tours and at Paris large numbers of chrysanthemum novelties are shown each year. But most of the French growers have little idea of the kind of flower suitable either for English or American taste. I take it from what one sees in American papers that large pure colored varieties are chiefly in demand. From this point of view Calvat's novelties are practically the only ones worth our attention. Of these I give a list of what I consider the best of his new seedlings as shown at Paris last November. These won for him a grand prix d'honneur. The group is shown in the accompanying picture. The award made is the highest ever gained by a chrysanthemum raiser and as a result, Calvat was made an officier d'academie.

Ferdinand de Bievre. A Japanese with florets of great width; flower of spreading form, pale yellow; one of the biggest shown.

Reine Fiammette. A full double flower having medium sized florets forming a reflexing Japanese of the old type. Bright rosy pale amaranth with purplish shading.

Rachel L'Abbe. Immense Jap., with narrow, twisted and intermingling florets, curly at the tips; color white, slightly tinted green in the centre.

Mme. E. Bonneford. Another huge Japanese of a high order of merit. A graceful, reflexing flower, very full and double; color rich apricot passing to golden yellow.

General Samet. Another Jap. of great solidity; medium sized grooved florets, curly at the tips; golden yellow.

Souvenir de Mme. Gagnaire. Japanese also of the largest dimensions with very long florets; bright pinkish rose with reverse of silver.

Claudius Denis. A medium sized Jap., very deep in build with narrow florets; golden yellow.

Mme. Travouillon. A monster Japanese shown in fine form at Tours; a spreading long petalled variety full to the centre; bright lilac rosy mauve.

Belle Trouchoise. A big imposing Jap., very effective in its rich shade of reddish salmon rose; reverse golden.

Rev. W. G. Sharpin. A Japanese of the greatest possible size and substance. Inside of the grooved florets which are of good breadth the color is dull old rose; reverse golden yellow.

Belle Estezelle. An immense Japanese with very long, spreading pure yellow florets.

Calvat 1900. A compact Japanese with rather broad florets, tips slightly incurving; beautiful shade of bright rosy amaranth with silvery reverse.

Paul Delaroche. Another monster Japanese; florets of

medium size, twisted and intermingling; color pearly blush, slightly tinted and shaded lilac mauve.

Miarka. An old type of incurved of large size; grooved florets, a deep solid bloom; color pure white slightly tinted.

Alceste. A fine Japanese of great merit; florets of medium size and good length; color pure pale yellow.

Other seedlings in the group of lesser value from the American commercial point of view were: Ulysse Lafont, a massive Jap., ochre yellow shaded apricot; Henry DeCault, also a huge Jap., pale amaranth; Cecilia Monteil, pure white Jap., shaded pale purple towards outer edge; Dr. Nicolas, Jap., deep violet with silvery reverse, florets rather broad and flat; Thais, Jap., chestnut crimson, golden reverse; Thamard, Jap., purplish mauve, reverse silvery pink; Cularo, Jap., chestnut yellow; Le Maroc, a Jap. of the Edwin Molyneux type, bright crimson with gold reverse.

Chasman Payne

British Horticulture

SWEET PEAS

There is every prospect of another interesting display being made by the National Sweet Pea Society at their annual show in London on July 23rd. Amongst the trophies offered is the Burpee challenge cup, given for a display of sweet peas, arranged on a space 3x4 ft. It is specified that all the varieties shown must have waved standards. Mr. Burpee's firm also offer prizes for a display of American sweet peas. C. C. Morse and Co., Santa Clara, California, are also offering prizes in other sections. The society has arranged for two outings for this season. A visit is to be made to the seed-growing district in Essex, where a big acreage is set apart for sweet peas. Later in July the members will journey to the University College Gardens, Reading, for the purpose of inspecting the official trials. These trials have proved of the highest utility, many American and continental growers having found them of great guidance for purposes of comparison. The Floral Committee have endeavored to make this part of the work a helpful adjunct to the society's other activities.

ITEMS OF INTEREST

A successful festival dinner was held in London on June 24th in aid of the Gardeners' Royal Benevolent Fund. Many leading nurserymen aided in providing a substantial sum.—The first Masters' lecture has been delivered at the Royal Horticultural Hall by Prof. Hugo de Vries, on "Masters' Vegetable Teratology."—Satisfactory strides are being made by the newly-formed National Vegetable Soc.—Mr. H. Staples, Kentish grower, is bringing out a new strawberry named Geo. Munro—a name well known in fruit trade circles.—The Home Secretary has appointed a commissioner to inquire into certain difficulties which have arisen in the application of the Factory and Workshop Acts to florists' workshops. The present Acts are considered to seriously hamper the trade in dealing with unexpected orders which necessitate occasional overtime.—The membership of the British Gardeners' Association now numbers 1,517. Mr. Geo. Hemming has been elected chairman, and Mr. J. H. Witty, vice-chairman.—A geranium with black foliage and scarlet flowers is being sent out by a Harrogate florist.

W. H. Adsett.

Water Scenery in the Garden

(Continued from issue of June 19)

My previous observations in regard to water scenery, were applicable to natural or artificial sheets of water or streams of several acres in extent; and I now purpose dealing with small lakes, basins, fountains, and streams in the house garden and pleasure grounds proper. With regard to excavation, making the soil watertight, and water supply, outlets and inlets, the previous remarks will apply with equal force; especially the provision of puddling with clay, where the soil is of a porous nature. To omit this always leads to great saturation of the surrounding land, with the invariable effect of causing dampness in the air, and general unhealthiness. In England, Scotland and on the continent there remain to this day many castles and manor-houses, as well as ancient towns, provided with moats, which must have caused a great degree of moisture in the adjacent soil, and given rise in the warm months to ague and other diseases, which were, however retained, owing to the protection the moat and drawbridge afforded.

No rule can be laid down for the shape of a lake; and it may take the form of an oval, a circle, or it may be made devious, and lose itself behind a natural or artificial projection of the banks, a clump of trees, or thick shrubbery. Sometimes the lake may be surrounded wholly with an architectural screen or balustrade with the idea of being seen from a path within the enclosed space and not from without; or there may be a point where the best view is obtained, which may have this architectural kind of treatment; and perhaps a harbor for a few boats; or a permanent low building, as a tea room, a Chinese pavilion or summer house, may be erected of durable materials, and of course ornamental in character as befitting objects in a garden.

The treatment in regard to planting the banks of a lake, and those of a running stream would differ considerably. It may be permissible to form colonies of hardy herbaceous perennials on the former and those shrubs which have a free flowering habit, and do not, as a rule, grow to a very large size.

Quite small lakes may have smoothly kept turf as a surrounding, and a few clumps of flowering plants, grouped sparingly, and a few weeping willows or *Sophora japonica pendula*, or clumps of *Yucca gloriosa* or *Y. flaccida*, *Arundo donax*, *A. d. macrophylla*, *Cornus sanguinea*, *Eulalias* in variety, *Gyneryum argenteum*, *Iris Kaempferi* in variety; *Spiraea aruncus* and others, and *Tamarix*. Clumps of *Myosotis palustris*, *Cotoneaster microphylla*, *Lythrum roseum*, *Trollius europæus*, *Rodgersia podophylla*, *Polygonum cuspidatum*, and *P. compactum*, have a good effect in the neighborhood of water, and there are many others. There are some species of plants which succeed if partially submerged, such are *Acorus calamus* and *A. japonica argentea stricta*, *Caltha palustris* and the double flowered form of this plant; *Carex japonica* and *C. j. pendula*, and the yellow flowered *Iris pseudo-acorus*. *Gunnera manicata*, and *G. scabra*, *Sambucus nigra* and *S. racemosa* and *Hippophae rhamnoides* look well if planted on promontories of the shores, as do *Betula alba* and other birches.

All of the plants named above are of comparatively low growth, the cornus, hippophae, birches and willows excepted. For the sake of variety some coniferous trees might be introduced, preference being given to *Cupressus*, *Juniperus*, *Thuya*, *Retinospora* and *Taxus fastigiata*, all of which have the columnar form, so admirably adapted for contrasting with the horizontal plane of the water.

In districts of the country enjoying a winter climate

of moderate severity, places may be found for various species of evergreens, some having beautiful flowers, as for example *Rhododendron ponticum*, *R. Catawbiense*, and the hybrids from these, and from *R. Caucasicum*; such Alpine species as *R. ferrugineum* and its variety *album*, *R. hirsutum*, and *R. racemosum* from Western China and Yunnan, growing at an elevation of 10,000 feet; the flowers of this last come in close clusters on short lateral shoots, and at the ends of these. They are about one inch in diameter, of a flesh color, passing into bright pink at the tips of the segments. It is a pretty addition to the dwarf section of the *Rhododendrons*. The Ghent and Pontica azaleas, if planted in clumps in suitable soil, would afford brightness of coloring to the planting near to the water. They are of great hardiness, and none of them exceed five feet in height.

The planter is now-a-days a sufferer from the great abundance of material in trees and shrubs, so that, if he be not well acquainted with the nature of the subjects brought to his notice, he is very liable to choose unsuitable plants. In penning the foregoing list, I have had the desire to give a distinct character to waterside planting in the garden proper and different from that of the decorative shrubbery, the planting on the lawns, and other parts of a garden—hence the omission of a host of beautiful subjects.

Bamboos have become of late years recognized plants for the decoration of gardens; and from China and Japan we have received many species which are capable of withstanding a moderate amount of cold, and are admirably adapted in respect of beauty of habit for planting in any part of a garden, and especially on the banks of lakes and streams. To grow them at their best, these plants require a retentive soil, abundant moisture at the root, and to be well supplied with leaf mould—and a sheltered position. Under the general name Bamboos, the genera belonging to *Arundinaria*, *Bambusa*, *Thamnocalamus*, *Phyllostachys*, and others, are included. The more distinct species of *Arundinaria* are *A. auricoma*—a rather strong grower, having green leaves streaked with yellow; *A. Fortunei*, with stems about 3 feet high, crowded together, leaves narrow, 6 inches in length, striped with white; *A. japonica* (Metake), which grows 15 feet high, with internodes of 6-8 inches in length, and tapering leaves, 12 inches long; *A. nitida*, a very attractive, and very hardy species; *A. Simoni*, growing to a height of 12 feet, with leaves one foot in length; very hardy. There is a yellow striped variety of this species, with leaves of a smaller size than those of the type. *Bambusa palmata* is an effective species, the stems reaching a height of 5 feet, and having leaves about 12 inches long, and 3 broad.

Of *Phyllostachys* I may mention *P. Boryana* one of the most effective, and vigorous, and quite hardy; *P. flexuosa*, a neat growing species with 6-foot stems and leaves of shining green color; *P. Henonis* is one of the hardiest species, and it grows to a height of 15 feet. It is one of the most beautiful of the genus; *P. mitis*, which in Japan reaches a height of 50 feet, and in a more temperate climate a height of 18-20 feet; *P. nigra* has stems of a dark color, and plumes of bright green leaves. The stems will reach a height of 20 feet when the plant becomes well established.

The illustration on p. 797 of HORTICULTURE on June 5 shows the sort of excavation—not more than 2 feet in depth made in the grounds, Gunnersbury House, Acton, the property of Messrs. Rothschild. The work was designed, and carried out by his present head gardener, J. Hudson, in Japanese style, and as regards the undergrowth with plants, chiefly natives of Japan. The area dealt with was less than half an acre, and the main idea consisted of several islands connected with each

other by a devious path, carried over rustic bridges of wood. The whole was very effective at the first, conveying a pretty idea, but it is now become greatly overgrown and confused, owing to want of timely thinning out of the multitude of plants originally planted.

Indruck Moore

The Gymnogrammas

These ferns include, from a decorative point of view, some of the most remarkable and interesting plants of the fern family. Probably the commonest of them all is *Gymnogramma sulphurea*, and if one is successful in the cultivation of this variety there need be no hesitation in growing several of the other kinds. The necessary point is to give them stove temperature and as they rapidly become pot bound, plenty of water which should never be allowed to get on the foliage. An exception to the foregoing rule is to be found in *Gymnogramma Japonica* (syn. *Dictyogramma Japonica*) which thrives in an Odontoglossum house temperature, by reason of its being neither tomentose or powdery but of a thick glossy leathery texture. Perhaps foremost among the golden powdered varieties capable of forming rapidly large specimen plants is *G. calomelanos* var. *chrysophylla*; *G. calomelanos* is of larger growth but the powder is whitish or whitish pink instead of distinctly yellow. *G. calomelanos* has a number of forms besides *chrysophylla*, few of which are of much merit. The principal one, on account of the leaflets turning up thus exposing the powder is *G. c. c. Alstoniae*. *G. c. c. Parsonsii*, named after an old confrere of the writer, should not be forgotten—a crested form not exceeding one foot in the length of its fronds. Among the silver or white powdered forms is *G. Peruviana*, considered to be a form of *calomelanos*; of which H. B. May's variety *Mayii* is one of the best, having the powder on both sides of the frond and in a lesser degree on the stalks. Another chance seedling is *G. Wettenhalliana*, golden with very dense crests to its fronds, also having this quality at the tips of its leaflets. *G. schizophylla* is another variety to be found in commercial collections. It makes an excellent basket plant with the remarkable peculiarity of producing plants on its fronds which will freely root when pegged down to a moist surface. *G. tartarea* is one of the most densely powdered (silver) common in collections. This variety is peculiarly distinct on account of its dark stalks which have no powder upon them.

The foregoing varieties and forms have been selected not because they are only to be found in herbariums and botanical collections as may be thought by some, but by reason of the fact that they are common with specialists of ferns in Europe and as such are sold commercially on the market. They comprise the best known to cultivation and certainly are worthy of the attention of those who take a pride in the cultivation of choice plants. An additional merit they possess is their adaptability in a dried state for table decoration, retaining the powder and their color for several years; this can easily be accomplished by drying between sheets of ordinary botanical drying paper, with of course a weight on top. Indeed, with a little manipulation, it is by no means difficult to get them into the form of a living plant, a pot, a potato and a little moss forming the necessary material.

Vernon G. Sherwood.

Brookline, Mass.

Notes from the Arnold Arboretum

None of the *Indigoferas* is perfectly hardy in the neighborhood of Boston, but this does not impair their value for our gardens very much, as they, even if killed to the ground during the winter, freely send forth young shoots from the roots in spring which flower profusely the same year. Somewhat hardier seems to be the new *Indigofera Kirilowii* from Korea but recently introduced into cultivation. It resembles very much *I. decora alba* cultivated at the Arboretum since many years and figured in vol. VII on page 375 of Garden and Forest, but has light purple flowers instead of pure white ones. *Indigofera Kirilowii* is a low bush about one or two feet high with handsome bright green foliage consisting of pinnate leaves with seven to nine roundish leaflets which are rounded at the end and furnished with a bristle-like point, not acute as in the other species. The light purple flowers are three-quarters of an inch long and disposed in racemes three to four inches in length which are borne on long and slender stalks in the axils of the leaves and appear during June and July. It is well worth a place in the borders of shrubberies and could be planted together with the pure white *I. decora alba*.

Some time ago attention was drawn in these notes to one of the native Mock-Oranges as the earliest of all to bloom and today a few words may be said about the latest of them. This is *Philadelphus californicus*—as the name implies, a native of California. It grows into an upright shrub about six feet high or more with bright green rather small foliage and bears at the end of June and beginning of July an abundance of white slightly fragrant flowers. The flowers are comparatively small, about three-quarters of an inch in diameter, but are borne in rather dense panicles, not in simple racemes as in most species. As it has proved quite hardy at the Arboretum, it is to be recommended for its late and profusely appearing flowers.

Another beautiful Mock-Orange which bears the flowers in large panicles and blooms about the same time with *P. californicus* is *Philadelphus insignis* (*P. Souvenir de Billiard* or *Billiardii*). This is probably a hybrid of *P. californicus* with one of the large-flowered species and is a very showy plant with its panicles of large, pure white flowers. As the finest of our native species I may mention here *Philadelphus inodorus* which flowers about two weeks earlier than *P. californicus*. It is very rare in cultivation; the plant usually cultivated under this name is *P. grandiflorus* which also has large flowers but *P. inodorus* is much more graceful in habit with its slender arching branches studded their whole length with pure white cup-shaped flowers about two inches in diameter. Of the new Chinese species one of the most distinct is *Philadelphus sericanthus*, a shrub of spreading habit with distinctly pointed leaves purplish when unfolding; with its horizontal racemes of nodding flowers it resembles somewhat a *Deutzia* of the type of *D. scabra* (*D. crenata*) with large but few flowers. It has proved hardy at the Arboretum, but cannot compare in beauty with many other Mock-Oranges and also apparently none of the other new Chinese species will equal, considered from an ornamental point of view, the best of the varieties now in cultivation.

Alfred Rehder

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The Commonwealth Avenue trees

The communication from Professor Sargent which we publish in full in this number presents the facts so clearly and convincingly that we can say nothing which can illumine or in any way add strength to the appeal which he makes therein for a wise settlement of the question of the arrangement of the trees on Boston's famed avenue. The controversy, or—more properly speaking—the attack on the two-row plan adopted by the park commission five years ago, has been going on relentlessly ever since the first of the older misplaced trees fell before the axe but, so far as we know, the plea which Professor Sargent now presents places the matter before the public for the first time from the standpoint which every unbiased horticulturist will recognize as the right one. The paper contains

so much of practical value, not only in this specific instance but in every community where the expert planter finds his well-considered work opposed and hampered by a misguided public clamor, that we bespeak for it a careful earnest reading. More especially should it be perused by the horticultural fraternity in and about Boston and an emphatic protest recorded wherever and whenever it can be made to count against the carrying out of the ill-advised plans recently adopted and the complete obliteration of the work so well begun five years ago.

Special convention transportation rates refused

Secretary Rudd announces that the railroad committees and traffic associations have refused to make any special reduced rate for the trip to the S. A. F. convention at Cincinnati next month. This attitude on the part of the railroad corporations is consistent with the retaliatory and defiant spirit which they have manifested ever since the public undertook through the strong arm of the federal government to circumscribe their growing arrogance and put them under reasonable restraint. The plea which they advance in justification of their refusal to consider reduced excursion rates for this and other conventions is a bit of sophistry unworthy of serious attention. The "old 3 cent a mile system" on which it is asserted the former convention rate of one-and-a-third fare was based may be said to have never existed since the S. A. F. began having conventions. There may have been some unimportant routes on which a three-cent rate was in force but in the great majority of instances where large delegations traveled between important centres the through rates have been much below that figure as anyone who is interested may readily ascertain by going back over the convention rates from various points from year to year as published in the trade journals. That the convention must suffer in attendance this year because of the course of the transportation companies no one will question.

Entitled to a "square deal"

For the past three weeks considerable space in our reading columns has been devoted to the doings of the seedsmen in session at Niagara Falls. We have on hand a number of interesting papers presented at that convention which we shall publish from time to time as space permits and we are sure that they contain much that is worthy of the attention of all of our readers, no matter what department of horticulture they may be engaged in. One would think from the tone of some of the articles published in the daily press of late that the Department of Agriculture and some of the zealous legislators are all that stand between the dear people and a lot of very unscrupulous sharpers—namely, the seedsmen. The fact is that the progress and improvement of the seed trade is synonymous with the progress and improvement of agriculture and horticulture. For two hundred years the commercial seed industry has been a much mightier factor in that respect than any government agency, national or state. Admitting the valuable services claimed for the national agencies—and we believe the seed trade fully appreciates their help and welcomes all the good they do—it remains true that the people at large have been repeatedly fed with innuendo and imputation on the probity of the seed trade in general and some of the magazines and daily papers have shown unseemly eagerness in the dissemination of anything which, by obscuring the merits of the seedsmen, makes for the aggrandizement of ambitious functionaries. A wider publicity for the proceedings in detail at the seed trade conventions would, perhaps, have a salutary counteracting effect.

THE TREES OF COMMONWEALTH AVENUE.

ARAUCARIA EXCELSA SILVER STAR.

To Messrs. Walter Hunnewell, F. G. Webster, and Walter C. Baylies:

Dear Sirs: In compliance with your request I beg to submit the following statement in regard to the trees planted five years ago on Commonwealth avenue, between Dartmouth street and Massachusetts avenue.

The plan of using only two rows of trees on Commonwealth avenue was first suggested, before trees had been planted on the avenue west of Dartmouth street, by Mr. F. L. Olmsted, the distinguished landscape-gardener, to whom the city of Boston is indebted for the comprehensiveness and beauty of its Park System, and by myself. In 1880, at the suggestion of the late Charles H. Dalton, at that time chairman of the Board of Park Commissioners of Boston, Messrs. Olmsted and Sargent prepared a plan for planting Commonwealth avenue. This plan proposed the removal of the four rows of trees then standing between Arlington and Dartmouth streets and the planting in well prepared soil of two rows of trees from one end of the avenue to the other. This plan was approved by Mr. Dalton and other residents on the avenue but was not accepted by the City Government. The artistic and practical principles on which this plan was based are:

First: In order that a dignified vista of tree trunks may be secured each tree should stand opposite a tree in another row, and that the distance between the trees should be practically the same. These are fundamental rules now almost universally adopted in formal planting of this character.

Second: In order that uniformity in size, habit, color, and character of the bark and foliage, and in the time of foliage and defoliation of the trees may be obtained that only one variety should be used.

The committee recommended setting the trees ten feet from the street line rather than in the middle of the planting spaces that they might have as much space as possible in which to extend their branches before the growth of these was arrested by the branches of the trees on the other side of the central walk, and not because it was believed that trees ten feet from the street would, as has been suggested, appear more dignified or beautiful, or better suited to their surroundings than trees standing twenty feet from the curb.

Commonwealth avenue from Dartmouth street to Massachusetts avenue was planted in 1880 or 1881 by order of the Common Council with four rows of trees, the trees in the four rows standing opposite each other, so that the transverse distance between the trees of the inner rows was only about twenty feet, the trees in the rows being about forty feet apart. Between Dartmouth and Exeter streets only American Elms were planted, and between Exeter street and Massachusetts avenue a large variety of European Elms was used.

There are several Elms popularly called English Elms in this country; among these are the Hedgerow or Field Elm, now common in southern England, the Scotch Elm, the Dutch Elm, and the Smooth-leaved Elm, and



The novelty depicted herewith, was the recipient of an award of merit from the Royal Horticultural Society, of England, at a recent exhibition. It was shown by Messrs. Rochford & Sons. It is said that the white tipped

character of the variety remains constant and makes a distinct departure from the typical green form. As the araucaria is a very popular plant, this new variety is likely to meet with an appreciative reception.

of each of these, with the exception of the first, there are many seminal varieties and probable hybrids. These species and varieties are very different in habit, rate of growth, hardiness, and time of foliage, and many of them are unsuited for street-planting in this part of the country owing to their irregular habit and want of hardiness; and of the so-called English Elms only the Field Elm in the peculiar form common in southern England has proved to be a good street tree in Massachusetts. It is this tree which was largely planted in eastern Massachusetts toward the end of the eighteenth century through the agency of Major Paddock, who established a nursery of this Elm in Milton; and it is this tree which has grown to a larger size in Boston than any other planted tree. This particular variety of Elm does not produce seeds, and as it can only be propagated by suckers or by grafting, it is necessary to use grafted trees as Messrs. Olmsted and Sargent recommended in their report of 1880.

Before the trees between Dartmouth street and Massachusetts avenue had been planted for twenty years it became evident that this plantation could not be kept much longer in good condition. Between Dartmouth and

Exeter streets the American Elms of the inner rows, standing only twenty feet apart, were already dangerously crowded and were being destroyed by the more vigorous trees of the outer rows. Several of the foreign Elms west of Exeter street had already died; others were unhealthy, and the unsatisfactory results of the mixing together in formal street-planting of different kinds of trees were becoming more and more evident every year.

Two courses seemed open to the Park Commission—to let things remain as they were and allow the trees, badly selected, planted too close together in insufficient soil, with little chance of surviving for another twenty-five years, to die; or gradually to remove enough trees to make room for a new plantation made with one sort of tree and in a manner to insure for these trees the longest possible life.

If the Commission had adopted the first plan the appearance of the avenue would have become less satisfactory as the trees gradually disappeared, and in a comparatively short time it would have been necessary to take down all the remaining trees, leaving the avenue without any shade until new trees had grown. By adopting the second plan it was possible to

replant the avenue in a manner to secure healthy and long-lived trees, and at the same time to preserve for several years enough of the older trees to give the appearance of a planted avenue until the younger trees had attained sufficient size to produce this effect. For this reason I recommended the commission to change gradually from the four-row plan into a two-row plan.

From the plan prepared in 1880 by Messrs. Olmsted and Sargent the plan recommended by me to the commission seven years ago differs only in one particular. Instead of setting the trees ten feet from the street, as recommended in 1880, the trees were planted in the middle of the loam space, because it was possible in this way to preserve for some years a larger number of the trees in the outer rows than it would have been possible to save had the new trees been planted nearer the roadways.

There is no question that four rows of trees in Commonwealth avenue would produce a better effect than the two rows, and that by the four-row plan the central walk and the two roadways would be more quickly shaded than by the trees in two rows. It is probable, moreover, that eight rows of trees would produce a better effect than four rows, but, unfortunately, certain conditions are fixed in the avenue. The planting space in Commonwealth avenue is one hundred feet wide. The growth of the English Field Elm in this neighborhood shows that in a space one hundred feet wide it is not possible to keep in good condition more than two rows of these trees for a period long enough to enable them to reach a height and size commensurate with the width and dignity of the avenue, and that the trees even in two rows must become cramped and injured by the trees opposite them long before they can attain half their size.

Some idea of the probable growth of the young trees now planted on the avenue can be formed by an examination of the row of Elm trees planted in 1876 by the Water Department of the city on Beacon street near the Pumping Station of the Chestnut Hill Reservoir. These are grafted trees of the same variety and character as those planted in 1904 on Commonwealth avenue. They have received no especial care. The ground on which they stand has not been cultivated for many years and has not been enriched, and the trees have not been pruned for a long time. These trees cannot be considered to have made an unusual or remarkable growth; and they have not reached more than a quarter of their full size. Many of these trees now have a spread of branches of 48 feet, and the smallest spread of branches of any of them does not appear to be less than 45 feet. If the trees on Commonwealth avenue grow no better than these reservoir trees, they should, in 1934, extend their branches three feet over the central walk and over the roadways; and nine or ten years later the branches of the trees in the two rows should interlock over the central walk. At this time the trees would not be over one-third of their full size. Trees of this variety of Elm from fifty to sixty years old in the neighborhood of the city

have a spread of branches varying from 50 to 70 feet.

The criticism that the two rows of trees west of Dartmouth street will not harmonize with the four-row plan east of Dartmouth street does not need discussion, for the four rows can hardly be said to exist. Many of the trees planted in the four rows have died; others had become so unhealthy and deformed that their removal has been necessary. Of the one hundred and eighty-two trees originally planted in 1860-62 between Arlington and Dartmouth streets only eighty-five are now standing. Ninety-seven of these trees have gone, besides a number of other trees planted from time to time on this part of the avenue to replace dead trees. Of the number of such replanted trees there is unfortunately no record.

The condition and appearance of the trees in these plantations seems to offer sufficient arguments against an attempt to grow to maturity four rows of trees of the first size in a city planting space only 100 feet wide and the use of more than one kind of tree in one city street, as is now proposed by the Park Commission. Their plan has in my opinion these objections:

First: The trees alternate in the rows instead of standing opposite.

Second: Each tree will stand only 40 feet from its neighbor except at the end of the blocks where the space between two of the trees will be 20 feet. The plan, therefore, does not provide symmetry or sufficient space to permit the trees to grow for more than a few years.

Third: The trees in the outer rows, having the benefit of the light and space from the adjoining roadways, will grow more rapidly than the trees in the inner rows which will become crowded and deformed, and at the end of a few years the symmetry of the plantation will further be injured by the inevitably unequal size of the trees.

Fourth: The plan is impracticable and cannot be successfully executed, for it calls for the planting together of larger and smaller trees, a system which is never successful, as has been shown in Commonwealth avenue between Arlington and Dartmouth streets where from time to time unsuccessful efforts have been made to plant small trees to fill the vacancies caused by the death of older trees. A still better example of the results which follow the mixing of large and small trees together in street-planting is found in Berlin where in Unter Den Linden young trees have been planted to take the place of older trees as these have given out. This plan has proved so unsatisfactory that an entirely new planting has now been made. The planting space is about the same width as in Commonwealth avenue; and two rows of trees have now been used to replace the four rows of the original plantation.

Fifth: The plan provides for the use of several distinct varieties of trees different in habit, rate of growth, and hardiness. The use of more than one kind of tree in one city street has been given up in all modern systems of street-planting, because different kinds of trees mixed together do not produce the formal and symmetrical effect which is needed in street-planting, and

which can be produced only by the use of trees of one variety. The want of symmetry resulting from the use of several kinds of trees in one street is well illustrated in Commonwealth avenue between Arlington and Dartmouth streets, which may be compared with the Beacon and Charles street malls of the Common where the good effect produced by using continuously one kind of tree is well shown.

Sixth: The adoption of the plan as it calls for the moving of all the trees planted in the spring of 1904 means unnecessary delay in supplying the avenue with shade. These trees have grown rapidly and they already have long and large roots. Their removal from their present positions will retard their growth for several years. Some of them will probably die from the operation, and it may be expected that they will never become as good trees as they would have if they had not been moved.

Seventh: The adoption of this plan involves an unnecessary expenditure of money. In 1903-4, upon the recommendation of the Park Commission, the city spent \$10,000 in planting the two rows of trees on Commonwealth avenue between Dartmouth street and Massachusetts avenue. The Commission now recommends a further expenditure of about \$24,000 to undo its work of six years ago. This is something more than the waste of public money, for it destroys a good plan in the attempt to adopt another plan which it is impossible, under existing conditions, to carry out.

Yours very truly,

C. S. SARGENT.

AN IMPOSING EXHIBIT OF WHITE ORCHIDS.

It is a rich and rare picture which we present as a cover illustration in this issue. We learn from Mr. Armstrong, the exhibitor, that the group contained in all about one thousand plants. The extent of the group was 9x72 feet, making it probably the largest orchid group ever staged in England and a gold medal was its reward. It contained two hundred plants of *Dendrobium nobile* Virginalis, five hundred other dendrobiums in variety, besides numerous varieties of odontoglossums, cymbidiums, laeliocattleyas, cypripediums, lycastes, masdevallias, sophronitis, etc. Nobody can blame the florist if he looks with envious eyes on that bewildering array of pure white dendrobiums which forms the foreground of the picture. What possibilities in chaste decorative work they suggest! We hope to see something equally rich on this side of the Atlantic some day in the near future.

PROPAGATING ARAUCARIAS.

HORTICULTURE:

Will you kindly let me know what method is employed in Belgium for propagating *Araucaria excelsa*? They root from cuttings, but do not make satisfactory plants. L. M.

Rooting from top cuttings is the method almost exclusively employed in Belgium in the propagation of *Araucarias*. Propagation by seed is not practiced.

NEWS OF THE CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

This society held its June exhibition on the 28th and 29th of June. Nearly every class was well filled, but the chief struggle was for the prizes offered by Mrs. Robert Goelet for a table of flowering plants and a vase of cut flowers with arrangement in each class to count 50 per cent, and both were won by Mrs. Ogden Goelet, gardener James J. Sullivan, with a very pretty arrangement of anthuriums and gloxinia plants for the table and cut anthuriums with their own foliage for the vase. Mr. Sullivan was also first

tastefully arranged showed good quality of flowers more than good arrangement and Mrs. T. J. Emery, gardener Andrew Dorward, was first; Dorward was also a winner in many of the other classes. In the class for hardy herbaceous flowers two splendid collections were staged, the first by H. D. Anchinloss, gardener John Mahan; this collection had about 230 varieties.

Strawberries were in small quantity but quality was good, and Mrs. W. B. Greene, gardener Samuel Speers, was the main winner. Grapes and nectarines were also good but few. The School Children's class for wild flowers was well filled, seven very credi-

a certificate of merit; this is a beautiful variety and will surely be a leader when better known. Certificates of merit were also awarded to the following: Mrs. T. K. Gibbs, gardener James Hooper, *Eucalyptus ficifolia*, in flower; Henry A. Dreer, for *Nephrolepis Scholzei*; Mrs. H. M. Brooks, gardener James Bond, for *Angiopteris erecta*; W. W. Rawson Co., for fifty varieties of sweet peas, mostly new; Andrew Pow, for vase of *Chrysanthemum Monrovia*; W. J. Matson, for sweet peas.

The judges, who gave good satisfaction, were Richard Gardner, Andrew S. Meikle and Albert Fraser.

The attendance of visitors was not as good as the merits of the exhibition deserved J. R.



FIRST PRIZE GROUP FOLIAGE AND FLOWERING PLANTS

At Newport Horticultural Society, by Colin Robertson.

in the class for specimen fern with a very large and handsome *Davallia filixensis*, and in several of the classes for roses; also for specimen palm in 12-inch pot with a *Phoenix Roebelenii*. In group of palms, ferns and flowering plants, 100 square feet, Mrs. Robert Goelet, gardener Colin Robertson, was first; the arecas in this group were particularly good. Robertson was also first for specimen kentia in 12-inch pot; specimen palm, any size or variety, and for 12 roses, 12 varieties. R. L. Beekman, gardener John Urquhart, first for specimen areca. The same exhibitor also showed H. T. roses in excellent form.

In the class for decorative foliage plants each plant to be serviceable for a table, I. T. Burden, gardener Charles Newton, was first; J. J. Wyson, gardener James G. Kyle, a close second. Newton was also first for fancy basket of roses. For collection of outdoor-grown roses by Newport county gardeners, Miss Fanny Foster, gardener Muller Bugholdt, was first with an extra good collection. This exhibitor also figured prominently throughout the list. The class for display of roses

table collections being shown and the first having eighty varieties.

Special Awards.

Among the exhibits of extra merit which received special awards were the following: A table of cattleyas and ferns, tastefully arranged by Oscar Schultz; a table of specimen greenhouse plants and cut roses by Mrs. T. G. Richardson, gardener James Robertson; a grape vine well fruited in tub by Mrs. T. J. Emery; a table of delphiniums and sweet williams by Mrs. Winthrop Chanler, gardener W. G. Postings; also a table of Dreer's All Heart lettuce and Sutton's Mammoth Paris Cos. A bronze medal was awarded to Mrs. Charles Potter for a miniature Japanese garden, made by herself.

Julius Roehrs Co. staged a few orchids on the second day which were very much admired. Among the newer ones were: *Odontoglossum crispum* Hautnotes, and *Cypripedium callosum* Sanderæ, which were each awarded a first-class certificate of merit. The same firm also showed the new Croton, Fred Sander, which was also awarded

SOCIETY OF AMERICAN FLORISTS.

Transportation to the Cincinnati Convention.

It seems to be settled that no special rates will be granted for the Convention, the traffic associations pointing out that the regular rates now quite generally charged, namely, 2c. per mile or 4c. for the round trip, are precisely the same as the special rate of a fare and a third which the society used to have under the old 3c. a mile system, and they claim that nothing beyond this can be allowed. The fact is pointed out, however, that tourist rates are in effect from a great many points in the country to all the larger cities, and that by a little inquiry most of the members of the society can obtain a very low rate to some large city like St. Louis, Chicago or Buffalo, and from there join the local club and get advantage of any special arrangements which they are able to make.

This being the twenty-fifth meeting of the society; Cincinnati being such a central point; such great exertions being made by the Cincinnati people to make the reception and entertainment something out of the ordinary, all seem to insure a large attendance at the convention. Reports from all points indicate great interest in the Convention and that an unusually large number have signified their intention of attending.

Superintendent Murphy reports an extraordinary demand for space, both in the number of applicants and in the large spaces required, which seems to insure a phenomenally good exhibition. The hall set aside for the trade exhibition is perhaps the best which the society has ever had and the meeting hall, both in size, comfort, and convenience, and also in its easy access to the trade exhibition, seems to be nearly ideal. In the meeting hall is a magnificent pipe organ, and Vice-President Gillett has secured the services of one of the leading organists in Cincinnati for organ concerts previous to the opening of each session.

The preliminary program for the convention will be issued shortly and mailed to all members. Copies will be cheerfully sent to all others on application.

W. N. RUTD
Secretary.

July 2, 1909.

MINNESOTA HORTICULTURAL SOCIETY.

The twentieth summer meeting of the Minnesota Horticultural Society was held at Agricultural College, St. Anthony Park, June 29. About 400 people sat down to a sumptuous dinner. The show of peonies was very fine. The climate of Minnesota seems to agree with these radiant flowers. We note the increasing interest in them. Four years ago there were a few vases, and now long benches are loaded with them. There is a growing interest in other perennials with a fair show of irises, delphiniums and others.

One of the chief attractions was an exhibit of 100 plates of seedling strawberries. These were crosses from the wild berries of Alaska, Northern Norway and other cold regions and our hardest improved varieties. Many of these were of good size and fine flavor. The great trouble seems to be to secure firmness for shipping, for all the wild varieties seem to be soft. These berries were selected from 3000 plants. They will invariably be cut down to a dozen, and these will be subjected to the severest test of going through the terrible Minnesota winters without mulching. Those which cannot endure it will be discarded.

There is another batch of 20,000 coming on, which shows the vast scale on which these experiments are made, and surely among all these thousands, some will be evolved which will be of great benefit for the bleak North West. Other strawberries on exhibition were fine in flavor and in size—fully equal to any I ever saw at the Boston shows.

The afternoon was given to a running fire of short speeches wanted to be not over five minutes long; the writer being called on gave "The Lure of the Peony." There is always the greatest harmony in this society under the leadership of Secretary Latham and Prof. S. B. Green. The society now numbers about 3,000; probably the largest on earth. The members have zest and enthusiasm enough to set on fire half a dozen other societies. There is the joy and triumph of victory. They have succeeded after thousands of defeats till now, Minnesota is one of the best of our Western fruit states.

C. S. HARRISON.

York, Nebr.

HORTICULTURAL SOCIETY OF NEW YORK.

The preliminary schedule of classes for the fall exhibition, to be held Nov. 3-7, 1909, has been received from Secretary George V. Nash. The show will be held in the American Museum of Natural History, Central Park West and 77th street, and the success which attended the fall show last year led to the belief that the exhibition of 1909 will be even more of a public attraction than that was. Mr. Nash, whose address is N. Y. Botanical Garden, will be glad to send copies of the schedule to all who apply. There are 100 classes provided for in the regular list of prizes.

FLORISTS' CLUB OF PHILADELPHIA.

Convention matters and a talk on "Lawn Decoration," by Edwin Lonsdale, were the principal items on the program at this club's regular monthly meeting held on the 6th inst. Committees were appointed on transportation and hotels. John Westcott is chairman of the transportation committee. So far as can be learned at this writing, the Chesapeake & Ohio route is the one favored. The fare that way is \$13.37. The committee will endeavor to arrange a joint party to include Philadelphia, Baltimore and Washington. The usual appropriation for the bowling team was not made this year, it being the general opinion that a good team could be got up for this inexpensive point without costing the club anything. We hope to be able to make room for a synopsis of Mr. Lonsdale's address on "Lawn Decoration" at an early date.

FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the Florists' Club of Washington was held at Gude's Hall on July 6 at 8 o'clock p. m. Invitations had been issued for an "al fresco" meeting at Kramer's greenhouses, but owing to the weather conditions it had to be transferred to the regular quarters. There was an unusually large attendance, as it was known that there was business of importance to be transacted.

The fall flower show was discussed at much length and the following committee was appointed: Geo. Cooke, Wm. F. and Adolph Gude, Geo. Shaffer, Edw. S. Schmid and E. C. Mayberry, with power to appoint sub-committees. It was voted that the regular outing of the club this summer be in the form of a basket picnic. Neither time nor place was definitely decided upon. Wm. F. Gude, Geo. Shaffer, E. C. Mayberry and Ed. S. Schmid were appointed a committee to make all arrangements. Some speakers very strongly urged the advisability of the members attending the convention in Cincinnati in August.

After the business meeting all were invited to repair to the back of the store, which was decorated in flags and palms, where lunch was served by President Kramer and a social hour followed, enlivened by minstrels and other entertainment.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club at their regular monthly meeting elected Frank Johnson, of the A. L. Randall Co., secretary. Fred Benthely, Leonard Kill and H. N. Bruns were elected trustees. The convention committee reported that a car had been chartered over the Monon route, but the exact time of starting had not yet been made known.

President Valentine and other florists from Denver, St. Paul and Minneapolis, Milwaukee, Omaha and other cities will join the Chicago party here. Contrary to the usual custom, a meeting will be held on the first Thursday in August to complete business for the convention.

NATIONAL SWEET PEA SOCIETY.

The initial meeting and exhibition of this new-born organization was held at the Museum of Natural History, New York City, on July 7 and 8.

The Exhibition.

The exhibition was a grand one, quantity, quality and arrangement being as near perfect as possible. There were nearly 2,000 vases and over 100 varieties were shown, some exhibits having as many as 75, all named. Peter Henderson & Co. staged over 100 varieties, not for competition. Entries in the competitive classes included the names of W. W. Rawson & Co., Howard Gould, Wm. Duckham, Seth Low, A. T. Boddington, Ormston, Hedden and De La Mare. List of awards had not reached us at time of going to press. Lager & Hurrell, Julius Roehrs Co., and Jos. A. Manda contributed fine tables of orchids. Harry Turner showed specimen *Acalypha Sanderiana*, John Lewis Childs showed lilies and irises and The Rosary Company arranged a handsome table decoration.

The Meeting.

Prof. John Craig of Ithaca served as temporary chairman. Officers were elected as follows: President, Harry Turner; vice-president, W. H. Waite; secretary, Harry A. Bunyard; treasurer, Wm. Duckham; executive committee—for three years, W. Atlee Burpee; for two years, A. C. Zvolanek; for one year, William Sim.

Prof. Craig read a paper on "The Purposes of Trial Grounds." A well attended banquet was enjoyed at the Hotel Kennelly on Wednesday evening.

Thursday's proceedings will be given in our next issue, also list of awards.

FLORISTS' HAIL ASSOCIATION OF AMERICA.

The list of losses adjusted and paid by this Association from June 1 to July 4, 1909, includes 49 establishments, located as follows: Ky., Mich., Minn., Neb. and Tex., one each; Ind., Ia., Okla., and S. D., two each; Mo. and Ohio, three each; Kans., five; Ill., six; Colo., nineteen. The total amount was \$10,993.46, of which two-thirds was in Colorado, mainly in Pueblo. The second largest individual loss was in Kalamazoo, Mich., \$1,629.66.

CLUB AND SOCIETY NOTES.

We are notified by Secretary Rudd that, pursuant to a request of Secretary pro tem. Bunyard of the proposed National Sweet Pea Society, President Valentine appointed F. H. Traendly of New York City to represent the S. A. F. & O. H. at the meeting held this week in New York.

The seventy-eighth annual fair of the American Institute will take place at the Berkeley Lyceum Building, 19 and 21 West 24th street, New York City, on September 21st to 23. The list of premiums to be awarded for plants, flowers, fruits, vegetables and farm crops has been issued in neat pamphlet form and copies may be had on application to W. A. Eagleson, secretary of the Board of Managers at above address.

ROYAL HORTICULTURAL SOCIETY, LONDON.

The Novelties at the Exhibition on June 22.

R. H. Bath, Wisbeck, was one of the largest exhibitors of peonies, and the choicer of the varieties he showed were the following: Triumphans Gandavensis, a flower about 9 inches in diameter, and the anthers quite hidden by the close doubling of the petals, which are of a blush tint; Charlotte d'Arenberg, a very large purplish crimson flower; Moria Bouchardet, 8 inches in diameter, of a light rosy crimson color, and very full; Lemoulier, 9 inches in diameter, full, pink with a purple suffusion; Fiancee, a beautiful double white flower; Nymph, having white guard petals, and central mass of lemon-colored ones.

Frank Cant & Co. showed several roses not as yet common in our gardens, viz.: Mme. Melanie Soupert, a whitish fawn-colored Tea, of the Niphetos form before the petals unfold; General Galliene, a Tea, deep rose-pink, and white at the base of the petals; Queen Mab, apricot color, shaded orange and pink, a pretty flower belonging to the Chinese section; Irene Watts, white, tinted salmon red, another beautiful variety of the same section; and Anna Chartron, Tea, blush tinted, with a pointed bud, an exquisite coat flower.

Paul & Son were exhibitors of the rich purplish red-flowered Purple East, a strong growing rambler, which bears very large bunches of blooms. The variety belongs to the Polyantha section and was raised by the exhibitors. Simone Beaumez, a Hybrid Tea, is a fine, large blush-colored variety, a really good thing.

J. Veitch & Sons showed Rosa Moyslii, a very distinct species from China. The blooms are single, 3 inches in diameter, blood red in color, and borne on short spurs, and are of great substance. The plant will grow, under favorable conditions, to a height of 6 feet.

The last-named firm were the exhibitors of Linaria "The Pearl," an annual growing in pots to a height of 1-2 ft. The plant produces numerous slender stems topped with spikes of pure white flowers, 3 inches long, the individual blooms being about 1-2 in. long, and the hood is tipped with bright yellow—a pretty decorative plant for the greenhouse, window box, or for planting in beds for early flowering. It has linear leaves. Alonzoa Warscewiczii compacta is a plant of a slender habit of growth of about 1-2 ft. in height, the stems surmounted with short inflorescences, consisting of flowers 1-2 in. in diameter, and of a bright scarlet color. Nemesis Blue Gem is a pretty, dense-flowering annual.

Some new Heucheras, viz., Pluie de Feu, scarlet, and H. purpurea marmorata, crimson-brown, were shown by G. Bunyard & Co. As showing what may be done with the hybrid Cape Pelargonium Clorinda, some standard trained plants were shown by Ed. Becket. The plants had a height of 5 to 6 feet, and were furnished with fine trusses consisting of 6 to 8 flowers of rosy-pink color.

Several new sweet peas were shown, those from Mr. W. J. Unwin, viz., Histon Favorite, orange-scarlet and of

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large size; Nancy Perkins, of another tint of orange-scarlet and Pink Pearl light pink, being acquisitions of much merit.

H. Burnett came out strongly in perpetual flowering carnations. He showed the novelties Fortuna, a yellow self, with fringed margin, and Snowball, a large and beautiful white variety, with petals that are nearly smooth. It is not a true tree carnation, being a cross between a border and a tree variety. Mr. Burnett showed the new variety, Rose Doree, cherry-red with orange tinge. The flower is very full, and the calyx is perfect. The variety was raised by Mr. Lancashire, Guernsey.

The following new Cannas were shown by J. Veitch & Sons: Geheim-Rath Borsig—a big truss and flowers—the color old rose; C. Rosea Gigantea, a dull rose-red variety; Duke Ernest, glowing crimson—a large truss and bloom; and R. Wallace, having flowers of a rich yellow color and great size.

A JUBILEE FLOWER SHOW FOR HAARLEM.

The following paragraph from a recent letter received from Polman-Mooij may be of interest to the readers of HORTICULTURE:

"In April, 1910, there will be a jubilee flower show in Haarlem, Holland, which is to be held only half a mile beyond our city nurseries and on the same road. We expect to have a most interesting exhibit of over 100,000 hybrid seedlings of hyacinths, tulips and narcissus, all raised in this same oldest nursery in Haarlem, now entirely built in and on the same spot where the great tulip speculation and financial disaster was experienced in February, 1637. A large collection of the same tulips as handled in the years 1633-1636 will also be on exhibition in this original tulip nursery where our firm was established just one hundred years ago in 1810. These are also the same tulips on which a lecture was held two years ago in New York by Mr. Peter Barr of London. As the flowering season of these bulbs will last from the first week in April until the end of May of 1910, a visit to these nurseries will no doubt prove interesting at any time of the spring."

Detroit.—Andrew Ferguson is very slowly recovering from a very serious illness which has continued ever since last fall—Chas. Warnke is going to California and the Yukon Exposition with the local lodge of Elks.

Kentias, Arecas, Latantias, Cocos, Phoenix, Araucarias, Rubbers, Crotons, Pandanus, Asparagus, Ferns for Dishes.

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4½ to 5 ft. high.

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THE YOKOHAMA NURSERY CO.
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LILIES
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THE SPENCER TYPE OF SWEET PEAS.

Messrs. Burpee put up a fine show of these at Horticultural Hall, Philadelphia, on the 29th ulto. This is the first time the general public has had a chance to see the latest improvements in sweet peas, as it is not everybody who can afford to spend a day at Fordhook, where acres and acres of sweet peas are now in full bloom in the testing grounds. Anyone who can go, should go early in July as the fields are then at their best. Among the most conspicuous noted at the show mentioned above were:

Queen Victoria Spencer; large flowers of good substance; primrose, flushed with rose.

Mrs. Routzahn Spencer; rose and blush on a primrose ground, edged with darker rose.

Helen Pierce; white marbled with blue. Mr. Kerr informed us that this variety had not reached its best brilliancy as to coloring so far, on account of the warm weather.

Primrose Spencer; a creamy yellow flower of large size and excellent substance. This undoubtedly surpasses the well-known older variety, Hon. Mrs. E. Kenyon.

White Spencer; a pure white flower of enormous size and fine substance. Good long stems.

Aurora Spencer; creamy white flaked and mottled with salmon; one of the best of its class—the waving and fluting of the wings and standard being very pronounced.

Princess Victoria; one of Dobbie & Co.'s introductions and resembles the old Countess Spencer, but is a lighter pink in color and better as to size and substance.

Florence Morse Spencer; blush edged with pink; fine as to size, form and stem; mostly three to four flowers to a stalk.

Mr. Kerr informs us that there are over seven hundred separate and distinct tests of sweet peas planted out this season on the trial grounds at Fordhook. This fact gives an indication of the care and thoroughness with which the Burpee firm investigates the merit of every promising variety in whatever part of the world it may chance to originate, and explains in a way why the name of this house has become so associated with the sweet pea. Away at the back end of nowhere the fame of Philadelphia is ever green—either with Stetson hats or Burpee's seeds. At least so we're told by that travel-obtained hardy-perennial—the notion drummer.

G. C. WATSON.

At the request of the Secretary of Agriculture instructions have been given to officers of customs by the Treasury Department that until July 1, 1910, 2-ounce samples of all imports of 100 pounds or more of grass, clover, and forage-plant seeds be prepared at the earliest practicable date after entry, and forwarded to the Seed Laboratory, Department of Agriculture, Washington, D. C., labeled with names and addresses of consignors and consignees, name of seed as given in the invoice, and quantity of the consignment.

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EXPERT ONION SEED GROWER AND EXPORTER

WHOLESALE GRASS SEED DEALERS' ASSOCIATION.

In interims between sessions of the American Seed Trade Association Convention held at Niagara Falls, Ont., last month an organization was launched in the seed trade and named the Wholesale Grass Seed Dealers' Association. The following were elected as its Board of Directors, viz: Charles D. Boyles, of The Albert Dickinson Co., Chicago, Ill.; Henry W. Wood, of T. W. Wood & Sons, Richmond, Va.; M. H. Duryea, of Henry Nungesser & Co., New York City; Robert Pommer, of D. I. Bushnell & Co., St. Louis, Mo.; Charles Dickinson, of The Albert Dickinson Co., Chicago, Ill.; C. F. Wood, of Wood, Stubbs & Co., Louisville, Ky.; Jos L. Peppard, of J. G. Peppard Seed Co., Kansas City, Mo., and Albert McCullough, of J. M. McCullough Sons Co., Cincinnati, Ohio.

The board organized by electing Albert McCullough president, C. F. Wood secretary-treasurer and M. H. Duryea vice-president.

CATALOGUES RECEIVED.

Knight & Struck, New York. Price list of named hybrid orchids.

The George Wittbold Company, Chicago, Ill.—Catalogue of Decorative Plants. A useful and instructive publication for the use of retail buyers.

A. T. Boddington, New York, Midsummer Garden Guide—Hardy perennials and old-fashioned flowers have their innings in this very useful list for the practical planter. The cover is devoted to a strawberry which is the principal feature in a formal decorative design in colors by H. A. Bunyard, forming a seasonable and appropriate cover illustration.

PUBLICATION RECEIVED.

House Plants and How to Grow Them; by Parker T. Barnes.—This book, just issued by Doubleday, Page & Company, New York, is the ninth in the series of The Garden Library. It is not written for the florist or gardener, but for the public—the florists' customers—and no florist can do more effective work in his own behalf for the future than to encourage the growing of plants in the home by doing all he can to promote the dissemination of a sensible and practical book on their culture such as this is. Mr. Barnes has the faculty of telling cultural facts in a concise, convincing and most readable way and he thoroughly understands his subject—which is not always true of those who undertake to instruct the public in plant culture. The varieties of plants which Mr. Barnes has selected as the best subjects for home cultivation are well

PRIMULA CHINENSIS

Micell's Prize Mixture contains only the finest sorts, beautifully fringed.

½ Tr. Pkt. 60c. 1 Tr. Pkt. \$1.00

PRIMULA OBCONICA GIGANTEA
Lilac 50c | Kermesina 50c
Rosea 50c | Mixed 50c

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GIANT PANSY SEED

The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance, every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed; 1000, 25c; 2000, 40c; 6000, \$1; (2), \$5.

RAINBOW is a blend of over 50 of the latest introductions of giant panics of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

chosen and none are included which can be called impossible or even doubtful under intelligent care. We would suggest that in another edition he might add the gloxinia to the list of easily grown window subjects. Any florist who seeks to build up closer relations with the flower-loving people of his neighborhood, should recommend this book. It contains 236 pages, is illustrated with many full page engravings and the price is \$1.20, post paid.

VEGETABLE PLANTS

CABBAGE. Field Crown, all leading varieties, \$1.00 per 1000. 10,000 and over, 85c per 1000.

CELERY. White Plume, Golden Self Blanching and Giant Pascal, \$1.00 per 1000.

EGG PLANT. N. Y. Improved and Black Beauty, \$1.00 per 1000.

LETTUCE. Big Boston, Boston Market, Tennis Ball and Grand Rapids, \$1.00 per 1000.

PEPPERS. Ruby King, Bull Nose, Sweet Mountain and Neapolitan, \$2.00 per 1000. Chinese Giant and Cayenne, 50c per 100.

PARSLEY. \$1.25 per 1000.

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Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, $\frac{1}{2}$ oz. in each pkt.; in all, 24 pkts., weight 3 oz. \$7.86

Half Florist Collection—24 pkts., weight $\frac{1}{2}$ oz. \$1.93

Amateur Collection—24 pkt., 500 seeds in each pkt., 12,000 seeds, \$.50

Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25

Mixture—extra fine, 1000 seeds, 25c.

Exhibition Collection—4 pkt., 500 seeds in each pkt., 2000 seeds, \$1.00

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This mixture contains all the finest Giant strains of the leading Pansy Specialists in the world: the Giant self-colors, the Giant striped and variegated, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy the finest your money can buy. A florist who has grown it said, "Why don't you call it Debauchee?"

Trade pkt., 50c; $\frac{1}{8}$ -oz., 75c; $\frac{1}{4}$ -oz., \$1.50; $\frac{1}{2}$ -oz., \$2.75; oz., \$5.00

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Pea Seed is being mailed. If you have not
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Of Interest to Retail Florists

Brooklyn, N. Y.—A. Hanig has taken
an additional store at 502 Fulton
street.

Asheville, N. C.—E. E. Brown will
open a store in town after moving his
greenhouses into the suburbs.

Cleveland, O. Jones & Russell have
leased the store in the Euclid Point
building, corner of Euclid avenue and
Huron road and will start in business
in the fall.

New York, N. Y.—Fleischman will
open a store at the Cortlandt street
terminal of the McAdoo tunnels to
Jersey City in addition to his place at
Fifth avenue and 42nd street.

STEAMER DEPARTURES

Allan.	
Nmuidian, Boston Glasgow...	July 23
American.	
New York, N. Y. S'hampton...	July 17
St. Louis, N. Y. S'hampton...	July 24
Atlantic Transport.	
Minneapolis, N. Y. London...	July 17
Minnetonka, N. Y. London...	July 24
Cunard.	
Saxonia, Boston-Liverpool...	July 13
Mauretania, N. Y. Liverpool...	July 14
Germania, N. Y. Liverpool...	July 17
French Line.	
La Touraine, N. Y. Havre...	July 15
La Bretagne, N. Y. Havre...	July 22
Hamburg-American.	
Pres. Lincoln, N. Y. Hamburg...	July 14
Cincinnati, N. Y. Hamburg...	July 17
Moltke, N. Y. Med. Ports...	July 22
Holland-America.	
New Amst'dm, N. Y. Rot'dam...	July 13
Potsdam, N. Y. Rotterdam...	July 20
Leyland Line.	
Winifredian, Boston Liv'pool...	July 14
Devonian, Boston-Liverpool...	July 21
North German Lloyd.	
Kpr. Cecile, N. Y. Bremen...	July 13
Prinz. Irene, N. Y. Med. Pts...	July 17
K. Wm. d' Grosse, N. Y. Br'n...	July 20
White Star.	
Teutonic, N. Y. S'hampton...	July 14
Baltic, N. Y. Liverpool...	July 17
Canada, Montreal-Liverpool...	July 17
Adriatic, N. Y. S'hampton...	July 21
Cymric, Boston-Liverpool...	July 24

PERSONAL.

W. W. Coles of Kokomo is summer-
ing at Oden, Mich.

M. E. Touhy of South Boston, Mass.,
will spend the summer with relatives
in Ireland.

George Butterworth of South Fram-
ingham, Mass., sailed on June 26 for
a European trip.

C. R. Young of New Portage, O.,
has taken a position with the Imperial
Greenhouses at Akron.

Mrs. M. D. Riemers of Louisville,
Ky., will take a trip to Seattle, South-
ern California and Salt Lake City.

Miss Winifred, daughter of Fred
Golding of Albany, N. Y., has re-
ceived the appointment of instructor
of geology in Wellesley College, from
which she was an honor graduate this
year.

A. Leuthy, Roslindale, Mass., will
sail for Europe from New York, July
10, on the S. S. Kroonland of the Red
Star Line. Mr. Leuthy will be abroad
about six weeks, visiting Belgium, Hol-
land and Mediterranean ports. This
will make his seventeenth trip.

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WASHINGTON'S FLORAL AUTO PARADE.



FIRST PRIZE WINNER IN WASHINGTON AUTO PARADE

By Gude Bros.

On July 5th Washingtonians enjoyed one of the most beautiful, as well as one of the most unique, processions ever viewed by any city, viz., a floral-auto parade.

The first grand prize was awarded the "Swan boat" (an idea borrowed from "Lohengrin"), as the most beautiful car in the parade. The prize consisted of a \$300 loving cup, engraved with picture of the winning car, and was awarded to William F. Matteson. The car was decorated by Z. D. Blackistone.

For the most beautiful car driven by a woman there was a prize of a \$200 diamond ring. This car was also decorated by Blackistone and was a huge basket decorated with pink rambler roses and green.

Gude Bros. received first prize in class "A" of a \$100 loving cup for the

most beautiful canopied steam car, surmounted by a huge basket of pink flowers.

Second prize was awarded Clayton Graff for a wistaria arbor auto, which was also decorated by Blackistone.

A prize of \$5.00 in gold was awarded a car decorated by W. Marche. It was a miniature automobile decorated in Uba leaves and pink rambler roses.

In class "B," the first prize of silver cup, valued at \$100, was taken by Mrs. Moore. The car was in shape of a huge pink sea shell and it was a close second for the grand sweepstake prize. Car was decorated by Blackistone.

In class "C," first prize of \$100 silver cup was awarded to Gude Bros. for delivery wagon decorated in white and green effect in cloth and roses.

Second prize was awarded the Terminal Taxicab Co., for car decorated in immense palms and grasses and drawn by winged doves. It was decorated by W. Marche.

Out of four machines decorated by Gude Bros., three received first prizes.

Seldom has anything in Washington been more thoroughly enjoyed.

INCORPORATED.

Brooklyn, N. Y.—The Howell Carnation Company to deal in flowers, etc.; capital stock, \$10,000; directors, Frank A. Howell of Jamaica, Alexander D. Donnelly and Mary A. Verney of Brooklyn.

Memphis, Tenn.—Buseck Floral Co., J. W. Proudft, W. E. Gage, W. M. Ball, L. Goldsmith, L. N. Starke, W. B. McLean, W. E. Pipkin, and Otto Buseck; to operate greenhouses and deal in plants and flowers; capital, \$25,000.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
 Washington D. C.—Gude Bros., 1214 F St.
 Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
 Chicago—William J. Smith, Michigan Ave. and 31st St.
 Chicago—George Wittbold Co., 1657-59 Buckingham Place.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
 Boston—J. Newman & Sons, Inc., 21 Tremont St.
 Boston—Julius A. Zinn, 2 Beacon St.
 Wellesley, Mass.—Tallby.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 1071 Broadway.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Young & Nugent, 42 W. 28th St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.

BUSINESS CHANGES.

Hughsonville, N. Y.—Laub & Wilson succeed Adam Laub & Son in the florist business.

New Portage, O.—Edward L. Bowers of Pittsburg has bought the Sunnyside Greenhouses.

Murfreesboro, Tenn.—The Stones River Nurseries succeeds the Will A. Vick Nursery, with Mr. Vick as manager.

Ft. Wayne, Ind.—A. J. Lanternier & Sons have recently acquired the Scherer greenhouses and will run them in addition to their plant on Walton avenue.

Brookline, Mass.—The firm of J. F. & D. J. Quinn, florists, has been dissolved, James F. continuing at the old stand and David J. going to the Beacon street store at Coolidge Corner.

L. E. Williams of Nottingham, N. H., has moved to Exeter and will continue his business of collecting native trees, plants and seeds.

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Write for quotations on large quantities.

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	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	July 5		July 5		July 6		July 8	
ROSES								
Am. Beauty, Fancy and Special..	25.00	to 30.00	26.00	to 30.00	15.00	to 20.00	20.00	to 25.00
“ Extra.....	20.00	to 25.00	20.00	to 25.00	10.00	to 15.00	12.00	to 15.00
“ No. 1.....	15.00	to 20.00	15.00	to 20.00	6.00	to 8.00	4.00	to 8.00
“ Lower grades.....	4.00	to 10.00	8.00	to 15.00	4.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00
“ Lower grades.....	3.00	to 4.00	4.00	to 6.00	1.50	to 3.00	.50	to 2.00
Killarney, Fan, & Sp.....	5.00	to 8.00	6.00	to 10.00	8.00	to 12.00	6.00	to 8.00
“ Lower grades.....	3.00	to 4.00	4.00	to 6.00	1.50	to 4.00	.50	to 4.00
Richmond, Fancy & Special.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
“ Lower grades.....	3.00	to 4.00	4.00	to 6.00	2.00	to 4.00	.50	to 4.00
Chatenay.....	3.00	to 6.00	4.00	to 8.00	.....	to .....	.50	to 6.00
My Maryland.....	4.00	to 8.00	.....	to	2.00	to 10.00	.50	to 8.00
CARNATIONS								
Fancy.....	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00	.75	to 1.00
Ordinary.....	.50	to 1.00	.75	to 1.50	.50	to 1.00	.25	to .50
MISCELLANEOUS								
Calliarys.....	40.00	to 50.00	40.00	to 60.00	.....	to 50.00	30.00	to 40.00
Lilies.....	10.00	to 12.00	10.00	to 12.50	10.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette.....	2.00	to 4.00	3.00	to 4.00	1.00	to 4.00	1.00	to 2.00
Sweet Peas.....	.50	to 1.00	.75	to 1.00	.20	to .50	1.00	to .35
Gardenias.....	.....	to 50.00	.....	to 50.00	6.00	to 25.00	8.00	to 25.00
Peonies.....	3.00	to 6.00	3.00	to 6.00	2.00	to 6.00	2.00	to 4.00
Daisies.....	.35	to 1.00	1.00	to 1.50	.50	to 1.00	.50	to .75
Stocks.....	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00	.75	to 1.00
Snaptadron.....	2.00	to 8.00	5.00	to 8.00	2.00	to 6.00	2.00	to 4.00
Adiantum.....	.75	to 1.00	1.00	to 1.50	.75	to 1.00	.75	to 1.25
Smilax.....	12.00	to 15.00	15.00	to 20.00	10.00	to 12.50	12.00	to 15.00
Asparagus Plumosus, strigatus.....	50.00	to 60.00	30.00	to 50.00	25.00	to 50.00	25.00	to 50.00
“ “ & Sprea. (100 bchs.)	20.00	to 50.00	30.00	to 50.00	25.00	to 50.00	15.00	to 25.00

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Items Listed will be in Demand right after Planting Season. Every Grower should see that he is Well Supplied

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No. 10 Steel Wire Galvanized

	Per 100	Per 1000		Per 100	Per 1000
2 foot...	\$0.45	\$4.08	4 foot...	\$0.88	\$8.16
2 1/2 "...	.55	5.11	4 1/2 "...	1.00	9.20
3 "...	.65	6.15	5 "...	1.12	10.23
3 1/2 "...	.78	7.18	6 "...	1.30	12.25
			6 1/2 "...	1.40	13.28

No. 8 Steel Wire Galvanized

For staking American Beauty and other strong Roses.

	Per 100	Per 1000		Per 100	Per 1000
2 foot...	\$0.55	\$5.25	4 1/2 foot...	\$1.25	\$11.50
2 1/2 "...	.70	6.50	5 "...	1.40	13.00
3 "...	.80	7.50	6 "...	1.60	15.50
3 1/2 "...	.95	9.00	7 "...	2.00	18.00
4 "...	1.10	10.00	8 "...	2.25	20.50

GALVANIZED FLORISTS' WIRE

(In roll.)

Used extensively by the growers as supports for rose plants, etc. It is heavily galvanized and will not rust. Put up in 12 lb. rolls (1 stone).

No. 16, per stone...	\$0.80	No. 21, per stone...	\$1.10
" 17 " "	.90	" 22 " "	1.15
" 19 " "	1.00	" 23 " "	1.20
" 20 " "	1.05	" 24 " "	1.25

S. S. PENNOCK - MEEHAN CO.,
Washington Store, 1212 New York Avenue

The WHOLESALE FLORISTS
Store closes 6 p. m.

Philadelphia
1608-1620 Ludlow Street

Flower Market Reports.

BOSTON

The market situation remains about as it was last week. Summer resort business has not yet come to life and local demand is very quiet. Quality of material is not up to mark except in the case of Kaiserin roses and sweet peas. The latter are very fine, but there are many more than the market can use and prices are very low, while a great proportion are left unsold. Carnations have never been worse than at present.

BUFFALO

The first part of the past week there was little or no business, but the quantity of stock, especially carnations, came in heavy supply with no outlet. Quality was rather good for the season of the year and prices ridiculously low, and the larger portion not sold at any price. Beauties also have been on the "carried along list" and no demand whatever. Bridesmaids and Bride are small, while Kaiserin, Carnot, Reid and Detroit are fine and at times not enough can be had. Killarney is holding out well but comes in tight buds no larger than Bonsilene. Peonies are over and candidum lilies are on, while sweet peas have been a glut for a week past. Good heavy rains are in demand by the growers and would no doubt help the market somewhat should the atmosphere cool down and give the stock a chance to arrive in better condition.

CHICAGO

Nothing very encouraging can be said of the cut flower market in Chicago at this time. The season is closed and plenty of time is at the disposal of the florist to look over their last year's sales and make plans for the year to come. Many are ready to admit that the volume of business this season has been far ahead of that done last year. The glut of flowers still continues, though it must be understood that it is a glut of poor stock. Really good stuff is decidedly scarce. Roses are on short stems and small. Good carnations are practically out of the question. Some very fair Beauties are seen, but not in abundance. Out-door sweet peas are backward on account of the weather.

Commencements and the extensive call for wedding flowers having passed, summer dulness is being felt

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI July 5	DETROIT July 5	BUFFALO July 5	PITTSBURG July 6
ROSES				
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	18.00 to 20.00	10.00 to 15.00	12.50 to 18.00
No. 1	10.00 to 12.00	12.00 to 16.00	5.00 to 10.00	6.00 to 10.00
Lower grades	4.00 to 6.00	3.00 to 10.00	2.00 to 5.00	2.00 to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00
Low. gr.	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Killarney, Fan. & Sp.	5.00 to 6.00	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 5.00
Chatenay	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
My Maryland	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00
CARNATIONS				
Fancy and Novelties	2.00 to 2.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
Ordinary	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	35.00 to 50.00	60.00 to 75.00	50.00 to 75.00
Lilies	10.00 to 12.00	12.50 to 15.00	8.00 to 15.00	6.00 to 10.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Mignonette	2.00 to 3.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Sweet Peas	.35 to .50	.25 to .75	.50 to 1.00	.25 to .75
Gardenias	20.00 to 30.00	20.00 to 30.00	30.00 to 40.00	20.00 to 25.00
Peonies	4.00 to 7.00	4.00 to 7.00	7.00 to 10.00	3.00 to 5.00
Daisies	35 to .50	.25 to .75	.75 to 1.00	.75 to 1.00
Stocks	2.00 to 3.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Snapdragon	2.00 to 3.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Adiantum	1.00 to 1.00	1.00 to 1.50	.50 to 1.50	1.25 to 1.50
Smilax	10.00 to 12.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, strings	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	35.00 to 50.00
" & Spre. (100 bchs.)	20.00 to 25.00	30.00 to 50.00	25.00 to 50.00	30.00 to 50.00

all around. One or the other may be rushed occasionally, but this has little influence on the enormous quantities of stock which are now daily dumped into this market. While prices are being quoted they are not firm at all, and any call in quantity creates different prices. The better quality of roses are the only exception. Outdoor flowers like larkspur, etc., furnish an agreeable change in filling baskets, etc., as also a great assistance in window trimming.

PHILADELPHIA

June 28 to July 3. Early in the week there was quite a little spurt in the Beauty market, but conditions became more normal later as the new crop flowers became gradually more plentiful. The features of the week were the High and Normal school commencements, and the Durham funeral. For the latter 134 pieces were sent by 22 of the leading retail houses. Such an avalanche of flowers it was quite out of the question to send to the cemetery. Most of them went to the hospitals. This was an object lesson in how to overdo things, which in the long run is bad for the business. White roses were at a premium in consequence. Kaiserins were good but as a rule white roses are off crop and

poor. My Maryland is coming in more freely, and as a rule the quality is all that can be desired. Killarney has fallen off more than ever and we are still getting the best stock from the East. Liberty is only fair and Richmond, dismally undesirable. Carnations are steadily running down. Even the vanguard of the outdoor crop is under grade as yet, on account of the protracted hot spell. Crocker is the principal variety so far. Lily of the valley has been quite scarce—like good white roses, and mainly for the same reason. The demand for cattleyas fell off, and these have dropped a notch in quoted figures. Greenhouse-grown gladioli are nearly over, and out-door flowers from now on will hold the stage. The latter are selling fairly well so far. Sweet peas went down hill very badly on account of the weather. Water lilies and Japanese irises are more plentiful and are in good demand for artistic and seasonable effects in room and table decorations. Lilies are particularly good and the demand steady and healthy. On the whole it has been a good week, notwithstanding the enormous amount of inferior stock arriving and for which there was no sale.

(Continued on page 5)

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 2870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4726 4627 Madison Square**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALEOpen from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.
Tel. 5243 and 2921 Madison Square.**JOHN YOUNG****WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

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Telephone No. 756
Madison Square New York**MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephones 3360 Madison NEW YORK
3361**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**THE HIGHEST
GRADE OF **VALLEY** ALWAYS
ON HAND

CARNATIONS, DAISIES, ROSES AND CARNATIONS

Telephone
JAMES McMANUS, 769 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending July 3 1909		First Half of Week beginning July 5 1909	
American Beauty, Fancy and Special.....	8.00	to 15.00	10.00	to 15.00
" " Extra.....	5.00	to 8.00	5.00	to 8.00
" " No. 1.....	2.00	to 4.00	2.00	to 5.00
" " Lower Grades.....	.....	to .50	.50	to 8.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	to 4.00	4.00	to 6.00
" " Lower Grades.....	.....	to .50	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.....	to .50	.50	to 2.00
Richmond, Fancy and Special.....	3.00	to 5.00	4.00	to 6.00
" " Lower Grades.....	.....	to .50	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 5.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary and White.....	.....	to .50	.40	to .50

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

PHONES. 1664--1665 MADISON SQUARE

ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

444 Sixth Ave., NEW YORK

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GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of

EVERGREENSFancy and Dagger Ferns
Bronze and Green Galax**Main Store 50 W. 28 St.**

Phone 1208 Mad. Sq.

New York

GROWERS' CUT FLOWER CO.

CUT FLOWERS

WHOLESALE

**VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited Shipments to Order, any Distance

39 West 28th Street,

Telephone 3532 Madison Square

J. J. COAN, Manager

NEW YORK**Durand & Marohn**

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

Manhattan Flower Market

Ship us some stock. We need a large supply of all kinds of flowers, Roses, Carnations, Sweet Peas, Narcissus, Summer Stock, etc., for our new store. Reliability and responsibility first-class. Good prices and prompt returns. Good opportunity.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.
CONSIGNMENTS SOLICITED.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

FOR FLORISTS' USE
There's **NOTHING** as good as
MEYER'S SILKALINE
Don't let them sell you anything else
JOHN C. MEYER & CO., Boston, Mass.

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
\$2,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

FLOWER MARKET REPORTS.

(Continued from page 51)

Trade is very quiet.
NEW YORK This is a sort of chestnut but we are expected to pass it out once a week, all the same. There are plenty of carnations on all sides, such as they are, but it is gratifying to be able to report that the quantity of roses coming in daily is rapidly diminishing. As to quality the less said about the most of them the better. All other regular stock is in normal supply. As to prices—catch-as-catch can.

PHILADELPHIA NOTES.

S. S. Pennock and family are summing at Ocean City, N. J.
Harry May and family held the fort at Waretown over the Fourth.
During July and August Michell's seed stores will close daily at 5 p. m., Saturdays 1 p. m.
Ed. Upton, late of Lilly & Upton, dissolved, is taking a rest in the mean-

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
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28 STATE STREET, - BOSTON
Telephone, Main 58.



1887 ESTABLISHED 1909
KEEPING OPEN HOUSE THIS SUMMER
TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON
TOP PRICE AND PROMPT RETURNS
J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 3 1909		First Half of Week beginning July 5 1909	
Cattleyas.....	10.00	to 35.00	15.00	to 35.00
Lilies.....	1.00	to 3.00	3.00	to 5.00
Lily of the Valley.....	.50	to 3.00	1.00	to 2.00
Daisies (per bunch).....	.10	to .15	.10	to .15
Stocks (per bunch).....	.08	to .10	.08	to .10
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 4.00
Gardenias.....	5.00	to 20.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreu. (100 bchs).....	10.00	to 25.00	15.00	to 25.00

time. His future movements will depend on circumstances.

Frank Polites has been having an enjoyable time in Pittsburg, Youngstown, Cleveland, and other points during the past two weeks.

Wm. K. Harris has been confined to his room for over a week. General debility, probably caused by the hot weather. He expects to be about again in a few days.

J. Wm. Coldish is an ardent patriot but his enthusiasm has limits. He objects to having his place burned down even if it is the glorious Fourth. Hence the hurry call for the fire brigade to save his wagon shed.

G. S. Faulkner, florist, 138 South 15th street, is temporarily located on opposite side of street (137) during rebuilding. About Sept. 1st he will occupy his old location—excepting that capacity will be doubled and he will have the corner store of the new building.

W. F. Gude, Washington, D. C., was a week-end visitor and made it all up with the Commodore for not being at Waretown on the 25th ult. He also

gave some good advice anent the routes to the convention which will prove of value to our local delegation.

W. Atlee Burpee sails for Europe on Saturday, the 10th inst., to attend the sweet pea exhibitions and visit the interesting horticultural centers. His firm will disseminate four new Spencers this year. These are said to be a distinct advance on anything yet introduced. We will have something more to say about them a little later.

Wm. Falck sailed on Saturday, July 3, from New York. His departure from Pennock Bros. was signalized by much effusion and many souvenirs. Almost every employe had some good token to add to the pile. The masterpiece was a decorated vessel filled with the light wine of Kentucky. However good the contents, it will be many a year before same will be sampled. The outside decorations of this receptacle were unique, fifteen or twenty artists having taken part in producing the harmonious whole, topped off with a bow of red, white and blue ribbon.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ASPARAGUS

Charles H. Totty, Madison N. J. Asparagus Plumosa and Sprengeri.
J. H. Dann & Son, Westfield, N. Y.
For page see List of Advertisers.
Asparagus plumosus nanus, strong plants, from 2 1/2 in. pots, \$3.00 per 100; \$2.00 per 1000. Seedlings at \$1.00 per 100; \$9.00 per 1000. Frank N. Eskesen, Madison, N. J.

ASTERS.

J. C. Schmidt, Bristol, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

I. M. Rayner, Greenport, N. Y.
For page see List of Advertisers.

Whittet & Co., Lowell, Mass.

NORTHERN FLORISTS NOTICE! I have a splendid stock of the following in right condition for this late season. The prices quoted are strictly cash: Ageratum, blue, 3 in., \$2.50 per 100, cash. Alternanthera, red and yellow, 2 in., \$1.50 per 100. Begonia Vernon, pink and white, 3 in., \$2.50 per 100. Centaurea Gymnocarpa, 2 in., \$1.50 per 100. Cannas, Musaeifolia (bronze), and a yellow flowering French canna (green), 3 1/2 in., \$5.00 per 100. Cobaea scandens, 3 1/2 in., \$5.00 per 100. Coleus, assorted colors, 2 in., \$1.50 per 100. Fuchsias, single and double, mixed 3 1/2 in., \$5.00 per 100. Geranium Tregoe, Jaulin, Vland and La Favorite, 3 1/2 in., \$5.00 per 100. Heliotropes, 3 1/2 in., \$5.00 per 100. Daisies, (Paris) white, 3 in., \$2.50 per 100. Ivy, Parlor (or German), 3 in., \$2.50 per 100. Lobelias 2 1/2 in., \$2.00 per 100. Petunias, single, finest mixture, 2 1/2 and 3 in., \$2.00 per 100. Salvia Bonfire, 2 1/2 in., \$2.00; 3 1/2 in., \$4.00 per 100. Verbenas, Vaughan's best mixture, 2 1/2 in., \$2.00 per 100. F. SOKOL, Worcester, Mass.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.

J. H. Dann & Son, Westfield, N. Y.
Begonia Rex
For page see List of Advertisers.

Now ready for delivery, Begonia Gloire de Lorraine, strong, healthy stuff, all propagated from leaf cuttings, and ready for 3 and 4 inch pots; \$15.00 per 100, \$140.00 per 1000. New winter flowering Begonia "Pres. Taft." Awards—Bronze Medal. S. A. F., Chicago, Nov., 1908; Certificate of Merit by Pittsburg and Allegheny Florists' Club, Newport, R. I., Horticultural Society, and New York Florists' and Gardeners' Club. This beautiful winter-flowering Begonia originated in our nurseries about two years ago; it is stronger, sturdier and more beautiful than any of its predecessors. In color it is similar to Agatha; it is free and continuous flowering from November to April; each flower the size of a silver dollar. \$4.00 per dozen, \$25.00 per 100. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BOILERS

The W. W. Castle Co., 170 Summer St., Boston.
For page see List of Advertisers.

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St., New York.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
For page see List of Advertisers.

BULBS AND TUBERS — Continued

A. Mitting Calla Lily Bulb Co., Santa Cruz, Calif.
Calla Bulbs.

For page see List of Advertisers.

BULBS.—This ad. is our drummer. We certainly have got them and they are O. K. in size and condition owing to cold and damp spring. And the prices are right—delivered to you at 50 per cent. below Dutch bulbs, and being acclimated they flower ten days sooner. They are true, sound, clean, dry, healthy, selected stock. A postal will bring you all details as to varieties to plant or force, with cultural directions. D'Alcorn, The Southern Daffodil Farm, Portsmouth, Va. Where the fine Emperors come from.

CALADIUMS

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

CANNAS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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J. H. Dann & Son, Westfield, N. Y.
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Whittet & Co., Lowell, Mass.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Carnations, Rooted Cuttings.

The E. G. Hill Co., Richmond, Ind.
Carnation Cuttings.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
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I. M. Rayner, Greenport, L. I., N. Y.
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75,000 transplanted chrysanthemum cuttings ready to bench: Opah, Kalb, Estelle, Pacific, Crema, Yellow Jones, Monrovia, Whildin, Halliday, Bonnafton, Bailey, \$1.25, 100; \$12.00, 1000. T. W. Baylis & Sons, West Grove, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums. For sale, cheap for cash, 3000 plants in 2 1/2 in. pots, and 2000 in 3 inch. Leading varieties. Fine stock. Samuel Kinder, Bristol, R. I.

COAL FOR GREENHOUSE USE

Bader Coal Co., Board of Trade Bldg., Boston.
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COLEUS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CROTONS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCAS REVOLUTA

Whittet & Co., Lowell, Mass.
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DAHLIAS

David Herbert & Son, Atco, N. J.
Peacock Dahlia Farms, Williamstown Junction, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1637 Buckingham Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.
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John Scott, Brooklyn, N. Y.
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ELECTRIC CIRCULATORS

The W. W. Castle Co., 170 Summer St., Boston.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 2570-2606 W. Adams St., Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1637 Buckingham Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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Jardiniere Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000. Rose Hill Nurseries, New Rochelle, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Palverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Sheep and Shredded Cattle Manure.

Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.
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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's. 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan Co., Philadelphia.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

We make Standard Flower Pots, etc. Write us when in need.

Wilmer Cope & Bro.

Lincoln University, Chester Co., Pa.

Syracuse Pottery Co., Syracuse, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston.

GARDEN HOSE

Revere Rubber Co., Boston, Mass.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties.

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Boston Plate & Window Glass Co., Boston.
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GLASS—Continued

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1592-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

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Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Mounger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1239-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass.

Revere Hose.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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The A. T. Stearns Lumber Co., Neponset,
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between
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HYDRANGEAS.

The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
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INSECTICIDES.

Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
New York.

Kilnhead Tobacco Dust.
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Rowker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.
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Wm. Cooper & Nephews, 177 Illinois St.,
Chicago; Cyril Fracklyn, 62 Beaver
St., New York, Agt.
V 1 Fluid.

Phila. Insecticide Co., 6117 Main St.,
Germantown, Pa.

Pullman's Insect and Worm Destroyer:
Nicotine.
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Eastern Chemical Co., Pittsburg St., Boston.
"IMI" Soap Spray.
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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind
that has so many imitators, has our guar-
antee tag of satisfaction or money back,
and "The Moon Trade Mark" on every bag.
\$3.00 per 100 lbs. The H. A. Stoothoff Co.,
Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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O. V. Zangen, Hoboken, N. J.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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Wm. Elliott & Sons, 42 Vesey St.,
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MUSAS

The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
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MYRTLE

Myrtle, blue for cemetery planting, \$2.00
per 100; \$17.50 per 1000. Geo. A. Dhouau,
Station H., Cincinnati, Ohio.

NARCISSUS

A. Mitting Calla Lily Bulb Co., Santa
Cruz, Calif.
Narcissus Alba Grandiflora
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.

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New England Nurseries, Inc., Bedford,
Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
BILWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists
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Carrillo & Baldwin, Secaucus, N. J.
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Jos. A. Manda, 191 Valley Road, West
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Ordenez Bros., Madison, N. J., Box 105.
Cattleya Mossiae.

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Stuart Low & Co., Bush Hill Park, Enfield,
Middlesex, Eng.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Philadelphia, Pa.
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Home-Grown Palms.

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O. V. Zangen, Hoboken, N. J.

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John Scott, Brooklyn, N. Y.

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John Gerard, New Britain, Conn.
Giant Pansy Seed.

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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Ochid Peat and Moss always on hand.
Jullius Roehrs Co., Rutherford, N. J.

PEONIES

Cottage Gardens Co., Inc., Queens, L. I.,
N. Y.

Peonies for Fall Delivery.

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Gilbert H. Wild, Sarcoxie, Mo.

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Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfield, Westpoint, Nebr.

One of the finest collections in America.
Send 25 cts. in stamps for new edition
of Peony Manual. C. S. Harrison's Select
Nursery, York, Neb.

PHLOXES

Send 25 cts. in stamps for Phlox Manual.
Fine mixed phloxes, \$2.00 per 100. C. S.
Harrison's Select Nursery, York, Neb.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. F. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
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Kroeschell Bros. Co., 35 Erie St., Chicago.
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Albert & Davidson, 68-70 Troutman St.,
Brooklyn, N. Y.

Pipes and Boiler Tubes.

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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.
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PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers. Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula obconica grandiflora. Ronsdorfer
Hybrids, the best strain in existence; com-
pacta, Kermesina, purpurescens, violacea,
gigantea and five other varieties; strong
plants from 2 1/4 in. pots, \$3.00 per 100.
Cash. Henry Schmidt, 408 Fulton St.,
Weehawken P. O., N. J.

RESURRECTION PLANTS

Write for wholesale prices on resurrec-
tion plants. Native Plant Co., Marathon,
Texas.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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Dingee & Conard Co., West Grove, Pa.
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Poehlmann Bros. Co., Morton Grove, Ill.
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American Grown Roses.
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S. J. Reuter & Son, Westerly, R. I.
Own Root Roses.
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Charles H. Totty, Madison, N. J.
The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Roses, Maids and Richmonds, strong 4
in. stock, \$8.00 per 100. American Beau-
ties, 3 in. pots, \$7.00 per 100; 3½ in. pots,
\$8.00 per 100. Rose Hill Nurseries, New
Rochelle, N. Y.

RUBBER PLANTS

F. L. Pierson Co., Tarrytown-on-Hudson,
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SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Federico C. Varela, Tenerife, Canary Ids.
Bermuda Onion Seed.
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Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SEEDS

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Hjalmar Hartmann & Co.,
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H. F. Michell Co., 1018 Market St., Phila.
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-
men.
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A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
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Seeds. Rocky Mountain Evergreen seeds
in large or small quantities. C. S. Harri-
son's Select Nursery, York, Neb.

Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SHRUBS

The George Wittbold Co., 1657 Buckingham
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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S. A. F. TRADE EXHIBIT

Wm. Murphy, Supt., 311 Main St., Cincin-
nati, O.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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VEGETABLE PLANTS

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J. C. Schmidt, Bristol, Pa.
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Foley Mfg. Co., Western Ave., between
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The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VIOLETS.

William Sim, Cliftondale, Mass.
Boston and Princess of Wales Violets.
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Maria Louise Violet plants, well rooted,
grown on tile benches, free from disease,
selected stock, \$15.00 per 1000. Ready for
immediate delivery. J. Vonder Linden,
Rhinebeck, N. Y.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
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Talbly, Wellesley, Mass.
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Peter Reinberg, 51 Wabash Ave., Chicago.
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E. F. Winterson Co., 45-49 Wabash Ave.,
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GREENHOUSES BUILDING OR CONTEMPLATED.

Austin, Tex.—E. Friedrich, one house.
Syracuse, N. Y.—L. J. Muthaser, one house.

So. Paris, Me.—E. P. Crockett, one house.

Islip, N. Y.—H. K. Knapp, house 40x100.

Hanover, Mass.—J. W. Beal, extensive additions.

Big Rapids, Mich.—C. M. Buskirk, one house.

Menominee, Mich.—Charles Schulz, range of houses.

Martin's Ferry, O.—Davidson Bros., 70-ft. carnation house.

Woburn, Mass.—John H. Newman, one house, 500 feet.

Newburgh, N. Y.—Schaefer Co., two houses, each 33x78.

Asheville, N. C.—Brownhurst Greenhouses, rose house, 30x150.

Springfield, Mass.—Wm. Schlatter & Son, three houses, each 25x100.

Mansfield, Mass.—Charles Holmes, two cucumber houses, each 25x200.

Providence, R. I.—J. A. Macrae, house 18x120; J. G. Jensen, two houses, one 18x58, one 45x150.

OBITUARY.

C. Cramer.

C. Cramer, president of the South View Floral Co., Pittsburgh, Pa., died on June 24, after a long illness.

Justen Olsen.

Justen Olsen, son of Mr. and Mrs. Mons Olsen of Chicago, was drowned on the evening of June 30. The young man was taking a young lady friend, Miss Haakman, out in a rowboat to go aboard a yacht lying half a mile off Jackson Park. In some manner the small boat was overturned and before the life-savers could reach the spot the young couple had gone down for the last time.

CHICAGO NOTES.

Business.

It looks now as if the convention at Cincinnati would show a goodly proportion of Chicago florists in attendance.

Frank J. Keal has his new retail store at 18th and Halsted streets nicely fitted up and reports his first week's business as satisfactory.

Mr. and Mrs. Mons Olsen have the sympathy of the trade in the sad death by drowning of their son Justen, as recorded in this week's obituary notes.

J. A. Mendel, who has a flower store at 422 W. 18th street, will open a new establishment at 1424 W. 18th street in a few days and will also continue the present one.

Charles Fallstrom, who has been associated with his brother-in-law, Chas. Samuelson, in the florists' business in Chicago, has opened a retail flower store in Dixon, Ill.

Most of the wholesalers have signed an agreement to close their stores at 1 o'clock, July 22, to allow their employees to attend the annual Florists' Club picnic. Allie Zeck has charge of the sports and pastimes and Ed. Enders the arrangements.

George Reinberg says that Killarney has proven itself an all-the-year-round rose with him, the new stock just coming in as the old is gone. His Richmonds are especially fine for the season, some of them seen by the writer having stems from 20 to 30 inches and longer.

Personal.

Herbert Stone, of A. Lange's, suffered painful injuries by falling from a step ladder July 5.

The three little daughters of the late Mrs. T. D. Cobb, formerly Miss Tonner, will be brought to Chicago and cared for by Mrs. Cobb's mother. Miss Olga Tonner, who was with her sister at the time of her death, will return in September, bringing the motherless little ones with her.

Vacation Notes.

John Zeck is fishing in Wisconsin. E. Frausin is hunting in the Colorado mountains.

Sidney Wißin is camping out at Lake Zurich, Wis.

Mr. and Mrs. Anton Then have been visiting in St. Joseph, Mich.

Chas. McKeellar and wife are on an automobile trip to Milwaukee.

Wm. J. Kidwell has joined his family at their cottage at Muskegon, Mich.

Miss Myrtle Conner, book-keeper for Bentley & Coatsworth, is away on her vacation.

Fred Klingel, book-keeper for George Reinberg, is spending two weeks in Wisconsin.

John Kruchten has returned from a few days' stay in Milwaukee. His wife will make a longer visit.

F. Strail left July 2nd for a three months' stay with his mother at her summer home in Michigan.

R. C. Northam has returned from the Upper Peninsula of Michigan, where he has been catching brook trout.

John Schoeppel of Bentley, Coatsworth & Co., is visiting in Ohio and will later go farther east on a month's trip.

Josepha Then and her sister accompanied a party on an automobile trip to Delevan Lake, Wis., and were gone several days.

IMPORTERS' PROTESTS.

Appraisers' Decisions.

No. 21444.—Evergreen Seedlings.—Protests 341702, etc., of Wadley & Smythe (New York). Opinion by Waite, G. A.

Protests sustained in part as to evergreen seedlings. United States v. Ouwerkerk (166 Fed. Rep., 1022; T. D. 28953) followed.

No. 21445.—Evergreen Seedlings.—Protest 351388 of Maltus & Ware (New). Opinion by Waite, G. A.

Proof sustained in part, a portion of the goods being held dutiable as evergreen seedlings under paragraph 252, tariff act of 1897.

Court Decisions.

Reed & Keller v. United States. U. S. Circuit Court, Southern District of New York. May 17, 1909. Suit 5333.

Birch Bark—Unenumerated Article—Crude Fibrous Substance—Crude Vegetable Substance.

Birch bark is not a crude fibrous vegetable substance, within the meaning of paragraphs 566 and 614, respectively, of the tariff act of 1897, but is dutiable as an unenumerated unmanufactured article.

On application for review of a decision by the Board of United States General Appraisers.

(Decision in favor of the Government.)

Bayersdorfer v. United States.

U. S. Circuit Court, Eastern District of Pennsylvania. May 12, 1909. No. 50 (suit 1974).

1. Ornamental Leaves—Prepared Flowers, etc.

Ornamental florists' supplies, consisting of various leaves, some of which are in the form of crosses and wreaths and are arranged on wire frames, and all of which have been so treated as to prevent decomposition and to retain or restore their original appearance, are dutiable as "ornamental leaves" under paragraph 425, tariff act of 1897.

2. Natural Flowers, Preserved—Statice Wreaths.

Statice wreaths, which have all the appearance of natural flowers, are dutiable under paragraph 251, tariff act of 1897, as "natural flowers * * * preserved."

3. Ornamental Grasses—Manufactures of Grass.

Ornamental grasses are not specifically described by the provision in paragraph 425, tariff act of 1897, for "artificial grains, leaves or flowers," but are dutiable as manufactures of grass under paragraph 449.

On application for review of a decision by the Board of United States General Appraisers.

(Decision adverse to the Government as to the articles covered by paragraph 3 of the syllabus.)

NEWS NOTES.

Vacaville, Cal.—H. L. Blake has been appointed on the state board of horticultural examiners to succeed Henry Stabler, resigned.

Cambridge, Mass.—Until his new buildings are completed, which it is expected will be the 1st of November, John McKenzie will conduct his business from his greenhouses on Whittemore street.

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LOUISIANA GULF RED CYPRESS.

Editor HORTICULTURE:

Dear Sir: It has been called to the writer's attention that there is being offered for sale, Peck Cypress which comes from the middle states, and which has not the lasting qualities of the Louisiana Red or Gulf Peck Cypress. As to the lasting qualities of the Louisiana Red or Gulf Cypress, there is no question.

Such concerns as Bassett & Washburn, Hinsdale, Ills.; Poehlmann Bros., Morton Grove, Ills.; J. F. Wilcox, Council Bluffs, Ia.; A. Graham & Sons, Cleveland, O.; Emil Buettner, Park Ridge, Ills.; Peter Reinberg, Chicago, Ills.; J. Breitmeyer's Sons, Mt. Clemens, Mich.; Wm. L. Rock Floral Co., Kansas City, Mo.; Griswold Greenhouse Co., Ashtabula, O.; Geo. F. Hartung, Sandusky, O., and hundreds of others too numerous to mention, have used Louisiana Red Peck for years, and can attest to its lasting qualities. Some of the above named have used it for ten years or more. Others possibly for less time.

Geo. F. Hartung, of Sandusky, O., made a statement at the Gardeners' Convention in Cleveland last year, that after having been in use in his benches for five years, he turned over Louisiana Red Peck Cypress and found that it did not start to rot anywhere, even at the cross supports.

Within the past week, florists have advised us that when they departed from using Louisiana Red Peck, they got a very inferior article which did not last, and it would be a great injustice to any florist investing his money in lumber for benches, to find that instead of lasting ten or fifteen years, it would only last two or three. Experience has taught that Louisiana Red Peck is the stock that lasts. We believe that florists, in buying Peck Cypress, should insist on getting a guarantee that it is the genuine Louisiana Gulf Red Cypress, or refuse to buy it. There is nothing cheaper on the market today, considering the lasting quality of the wood, than Louisiana Red Peck Cypress, so why use a cheap substitute that will not last half as long? No matter who you buy it from, insist on having Louisiana Red Gulf stock. There are plenty of people to buy it from, and Gulf Red stock is practically free of sap. Sap will rot out in a very few years, while heart Red lasts many years.

We would like this letter published if it meets with your approval, as we are writing at the request of people who are interested, not only in the welfare of themselves, but of the other florists as well.

PHILIP J. FOLEY.

Chicago.

PATENTS GRANTED.

- 924,519. Lawn Sprinkler. Benjamin F. Wooding, Denver, Colo.
- 924,549. Concrete Plant Protector. James H. Haley, Munnith, Mich.
- 924,552. Berry Picker. George M. Holmes, Kingston, Mass., assignor to Lizzie E. Holmes, Bryantville, Mass.
- 924,882. Pruning Implement. Henry H. Boenker and William D. Schone, St. Charles, Mo.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

GOOD MEN

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Assistant florist; must be careful at watering, tying and potting. Wages, to start, \$12.00 per week. Address, with copy of references, experience, etc., Plant Grower, care HORTICULTURE.

SITUATIONS WANTED

GARDENER. 31, married, wants situation. Honest, sober, thoroughly understands the care of gentleman's place, growing flowers, fruits, vegetables and landscaping. Ed. Walther, Millwood, N. Y.

FOR SALE

GREENHOUSE PLANT FOR SALE

Part can remain on mortgage, consisting of three houses, 32x142, 18x75 and 10x15 respectively, with cold frames and sash. Built by Lord & Burnham Co., steam heated with Burnham boiler. Strictly up-to-date and with every convenience for commercial business. Apply to Norcross & Stratton, with Jones, McDuffee & Stratton, 33 Franklin St., Boston.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 69 Montrose Ave., Brooklyn, N. Y.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

MISCELLANEOUS WANTS

WANTED TO BUY—Complete greenhouse plants and all kinds of greenhouse material, to be taken down and removed at once. Terms cash. Address I. Sussman, 229 Livingston St., Newark, N. J.

WANTED—Second-hand bags and bur-lap, any kind, any quantity, anywhere. Richmond Bag Co., Richmond, Va.

Holds Glass Firmly

See the Point #1

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE No. 2

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street,
LONG ISLAND CITY, N. Y.**
**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
CHICAGO, ILL.**

During Recess

NEW YORK FLORISTS' CLUB OUTING.

The annual outing of the New York Florists' Club, on July 1, at Duer's Whitestone Park, was by far the most successful entertainment of the kind the club has ever enjoyed. Over 450, exclusive of babies, went on the morning boat and the attendance was swelled by many who arrived by train, auto, etc., from Long Island points. The day was an ideal one in every respect, the games were well contested, Duer proved himself to be a model caterer and host and everything was done on schedule time. The prizes were given out on the return moonlight sail, amidst great enthusiasm. Only the highest praise for Mr. Bunyard and his assistants in preparing for and carrying out this successful event is heard on all sides. Following is the list of prizes and winners:

Baseball game, boys under 12 years. Well contested and very interesting, each boy on the winning team receiving a regulation ball.

Ladies' bowling match—1st, Samuel Thorne prize, \$10.00 in gold, won by Mrs. Anton Schultheis; 2nd, Arthur T. Bodington prize, \$5.00 in gold, Mrs. Louis Schmutz, Sr.; 3rd, (ladies' \$5.00 satchel) Philip Kessler prize, Mrs. Grimm; 4th, Alfred Zeller prize, \$3.00, Miss Kingston; 5th, Henry Hornecker prize, \$2.00, Mrs. Wittman; 6th, Sperling booby prize, won by Mrs. Masur, score 1. Forty-two other ladies competed.

Baseball game, Benedicts vs. Bachelors. Host Duer's prizes, 10 bottles wine and a box of cigars; won as usual by the Bachelors: Score, 7-0. Messrs. Manda, Reichers, Wuestman, Krekler, Reigo, Golbert, Cantillon, Tierney and Fred Krekler, against Messrs. Hildebrandt, Handel, Hornecker, Bogart, Phillips, Reunison, Meyer, Walbel and Allen. Wm. Kessler umpire.

J. J. Coan prizes, \$5.00 to girls under 5 years—1st, Dorothy Rosback; 2nd, Dorothy Bolles; 3rd, Ethel Kessler.

W. A. Manda prizes, \$10.00 for children born in 1904—Margaret Bogart and Philip Kessler, Jr.

Wm. Hagemann Co.'s prizes, \$5.00, girls 5 to 8 years—1st, Helen Abeel; 2nd, Mary Cashion; 3rd, Bessie Wise.

Charles Schenck prizes, \$5.00, girls 8 to 12—1st, Ethel Adams; 2nd, Marion Hughes; 3rd, Alice Walter.

Young ladies' race, 12 to 16, Jno. A. Scollay prizes, \$10.00—1st, Anna Miesem; 2nd, Jeanne Birnie; 3rd, Freda Schenck.

Young ladies' race, 16 to 20, Harry Turner prize, \$10.00; A. R. Kennedy prize, \$5.00; E. C. Horan prizes, \$5.00—1st, Alice Donnelly; 2nd, A. Birnie; 3rd, M. Brewer; 4th, Flora Knight.

Ladies' race, over 20, prizes by P. O'Mara, \$10.00; Alex. Guttman, \$5.00; M. A. Bowe, \$5.00 1st, Agnes Birnie; 2nd, Margery Birnie; 3rd, Emma Golsner; 4th, Anna Secker.

Baseball game by men over 45 was postponed until 1910.

Exhibition dancing. Three prizes, \$6.00, given by C. B. Weathered. A beautiful exhibit in costume to the music of the bagpipes. (List of awards missing.)

Married ladies' races, for the J. Anstin Shaw prize \$5.00, and the A. J. Langjahr prize \$5.00—1st, Mrs. Hornecker; 2nd, Mrs. Kingston; 3rd, Mrs. Mehan.

Ladies over 45, prizes by Schloss Bros. \$5.00, Bonnet & Blake \$5.00 1st, Mrs. C. Weber; 2nd, Mrs. Her; 3rd Mrs. Winters.

Ladies' walking match, prize by Werth-

elmer Bros., \$5.00—Won by Miss Birnie; Mrs. Stokes 2nd, Miss Guttman 3rd.

Fat ladies' race, over 175 lbs., prizes by A. F. Faulkner, \$5.00—1st, Mrs. Masur; 2nd, Mrs. Schimmell.

The tug of war, Seedsman vs. Florists. Henry E. Lee prize, \$10.00. Won by the florists. W. A. Manda, anchor; Messrs. Hornbecker, Wagenfuh, Weissman, McMullen, Lorenz, J. Manda. Seedsman—Robt. Clucus, anchor; Messrs. Breen, Gayner, Low, Gayner, O'Mara, Hughes, Van Syppveld, Adams, Richards and Wheeler.

Boys' race under 5. Burnett Bros. prize, \$5.00. 1st, Alfred Schultz; 2nd, Phil. Kessler, Jr.; 3rd, Charles Traendly.

Gentlemen's bowling, 3 frames. 1st prize, \$10.00, given by John I. Raynor, won by Andrew Wilson; 2nd, Revero hose, value \$9.00, by E. W. Holt, won by Rassback; 3rd, \$5.00, by W. B. Richards, won by Meconi; 4th, bowling ball, by N. C. Schreiner, won by Miessem; 5th, by Louis Schmutz, won by Fenrich; 6th, by Louis Schmutz, won by Kessler.

The other bowlers were virtually every man on the field who could roll a ball and the scores varied from 10 up to 50, the whole contest gradually filling up all the spare hours of the afternoon, and over 50 bowlers taking part. There was time for a 5-frame contest and the splendid prizes were worth a larger contest.

Hop, step and jump. John T. Withers prizes, \$5.00. 1st, Herman Rozens; 2nd, W. Bogart.

Boys' race, 5 to 8 years. Bobbink & Atkins prizes, \$5.00. 1st, Ira Freeberg, dead heat, Jos. Walter; 2nd, George Walter.

Boys' race, 8 to 12. F. H. Traendly prizes, \$5.00. 1st, George Harvey; 2nd, Robert Burnett; 3rd, W. Manda.

Boys' race, 12 to 16. W. B. DuRie prizes, \$5.00; Gunther Bros., \$5.00. 1st, H. Rozens; 2nd, Al. Rigo; 3rd, Philip Walter.

Male race. Alex. McConnell prize, \$5.00; Charles Millang prize, \$5.00. 1st, Paul Rigo; 2nd, Al. Rigo; 3rd, Chas. Bogert. A great race; winner 4 min. 1 sec.

Quarter-mile race, Yokohama Nursery Co. prizes, \$10.00. 1st, P. H. Kingston; 2nd, S. Gilbert; 3rd, A. W. Sperling.

Fat men's race, 200 lbs. and over. W. F. Sheridan prize, \$5.00; John Birnie prize, \$5.00. 1st, Frank H. Traendly; 2nd, W. A. Manda; 3rd, J. Harvey.

Married men's race. Young & Nugent prize, \$5.00; Ford Bros. prize, \$5.00. 1st, A. H. Donaldson; 2nd, Phil. Kessler; 3rd, Henry Weissman.

Growers' race. Florists' Exchange prizes, 3 volumes. 1st, A. H. Donaldson; 2nd, Jos. Manda, 3rd, J. Bartunik.

Three-legged race. W. A. Sperling prize, \$5.00. Won by Al. and Paul Rigs.

Throwing the ball longest distance. Lager & Hurrell prize, \$5.00. 1st, Phil. Kessler; 2nd, Her.

Press bowling. O. V. Zangen prizes, \$5.00. 1st, J. Austin Shaw; 2nd, J. H. Pepper; 3rd, A. F. Faulkner.

Sack race. Robert Koehne prizes, \$5.00. 1st, Arthur Weston; 2nd, George Harvey.

Seedsman's race. John Young prizes, \$5.00; Moore, Hentz and Nash, \$5.00. 1st, Al. Rickards; 2nd, G. Ydo; 3rd, A. E. Wheeler; Harry Bunyard "also ran."

Largest family. The Harry Bunyard prize, \$5.00. Won by Peter J. Walter of New York city; Joseph McMullen of Whitestone also reported a family of 6 children.

The handsomest baby. H. H. Barrows prize, \$5.00, and additional prizes of \$10.00 by the Outing Committee. Won by Babies Fenrich, Hanig, Schloss, McMullon, Matthews and Traendly.

President Turner was judge in this competition and declared every baby the most charming and all worthy of the highest honors.

The Tri-City Florists' Club met on June 24 with Theo. Ewoldt for their annual strawberry social and discussion of "Poinsettias, Their Propagation and Growing." It was decided

to hold the picnic between July 15 and 22. A. Anderson, H. Gaethje, Jr., and H. Pauli are committee of arrangements.

The first annual picnic of the Minnesota State Florists' Association will be held at Big Island Park, Lake Minnetonka, July 15, 1909.

The Greek Retail Florists' Association of New York city will have their annual festival on July 29 at Wetzel's Point grove.

The Gardeners' and Florists' Club of Boston will picnic at Randolph grove on July 28, says Dame Rumor.

PARIS SPRING SHOW.

This year on account of the greenhouses on the Cours la Reine being demolished the Paris and Spring Show was held in the Tuileries Gardens in a large tent. The space was much more limited in consequence of the change and the exhibits were not therefore set off to so great an artistic advantage as has been the case in past years. The President of the French Republic visited the show and awarded several decorations as is the custom. The grand prix d'honneur was won by M. Parent for forced fruits, the 2nd grand prix was awarded to Leveque & Son for roses. Other grand prizes were taken by Moser, Croux, Carriatt, Debril, Lachaume, Maron, Adnet, Ferard, Poirier, Bellard.

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Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 3 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	24 10 " " "	4.80
450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

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Standard Flower .. POTTS

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THE MOTH-KILLING BEETLES.

So many people have been destroying the parasites and beetles imported to prey upon the moth pests that State Forester F. W. Rane, now at the head of the gypsy and brown-tail moth work in Massachusetts, has issued a warning to the public against destroying them.

He asks all persons to exercise care and not to kill these precious beetles or the larvae which frequently are found among the gypsy and brown-tail caterpillars under the burlap of trees.

The new insect, mostly seen by people on trees, and the one which has largely been the object of everyone's attack, is the Calosoma beetle, a handsome greenish, predaceous beetle, which is one of the most valued enemies of the gypsy moth the State forces have been able to import.

The adult female beetle lays her eggs in the earth, where they hatch, and the larva crawls to the surface hungry and ready to tackle the first "gyp" or brown-tail caterpillar it may find, or a number of them for that matter.

The larva is a black, smooth-skinned, somewhat shiny sort of caterpillar, extremely active and wriggly, while the adult beetle is quite large, powerful and of a handsome bronze green color. The adult scales trees with great rapidity in its search for the caterpillars, and, having found one, uses its powerful legs to embrace the caterpillar as it sucks out the juices from its body. Often in its writhing the caterpillar will cause the beetle to topple from the limb to the ground, but the beetle never lets go its hold and continues its meal undisturbed by the fall.

In order to learn accurately how generally this imported beetle has spread. Mr. Rane asks those who observe then to report the fact to his office at 6 Beacon street, Boston.

THE TUSsock Moth.

The white-marked tussock moth, for many years a dreaded pest of village and city shade trees, last year became destructive in many apple orchards in northwestern New York and was thus brought strongly to the notice of Station entomologists. Bulletin 312 of the Station at Geneva gives an outline of this outbreak, with brief descriptive notes on the insect, and indicates the repressive measures that should be adopted.

Copies of this bulletin may be had free on application to the New York Agricultural Experiment Station, Geneva, N. Y.

TO DESTROY MOSS ON LAWNS.

The results of experiments conducted by Der Kgl. Gartnerlehranstalt at Dablen, and reported in Der Handeltsgartner (March 13), indicate that a 5 per cent. solution of sulphate of iron is effective of ridding lawns of moss. After the application of the green vitriol solution, the grass should be sprinkled several times with a weak (3 per cent.) solution of nitrate of soda.—Gardeners' Chronicle.

San Francisco, Cal.—The MacRorie-McLaren Co. have secured the contract for planting the ground belonging to the Spring Valley Water Co. in San Francisco and vicinity. Over 5,000,000 trees of various species will be required to complete the work.

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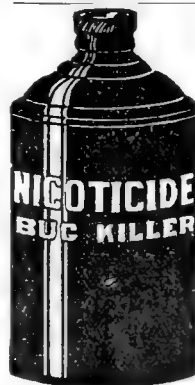
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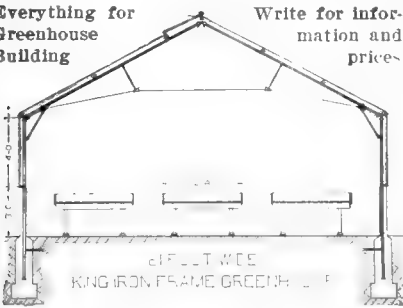
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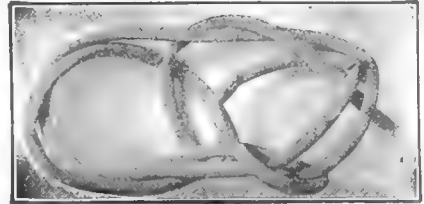
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HORTICULTURE

Vol. X. JULY 17, 1909 No. 3



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New Michaelmas Daisies



Perennial Asters, or, as they are commonly called, Michaelmas Daisies, are among the most charming of our autumnal flowering plants and nothing is capable of producing more beautiful effects in garden and woodland at that season of the year. In addition to the many excellent wild species which are common to North America there have been introduced during the last few years several beautiful hybrids and varieties which are worthy of cultivation in all gardens where the best hardy plants are desired. I see that the Messrs. Farquhar are wisely cultivating large numbers of these newer sorts in their Roslindale Nurseries for they are sure to become general favorites with the florists and flower loving public. To see Michaelmas Daisies to the best advantage they need planting in a border of good width devoted entirely to them and then a fine mass of flower results as depicted in the illustration, but each plant should be given sufficient space to properly develop and if the growth can be tied out to several stakes instead of being bunched up to one a much larger amount of blossom is obtained. An excellent way also of cultivating these improved varieties is to take off single shoots with the roots attached either in fall or early spring and pot them up in small pots until they become rooted putting them out in their permanent position about the middle to the end of April. If kept growing to one stem they make very beautiful decorative plants as can be seen by the photograph of a single specimen. The accompanying picture represents a plant seven months after the single shoot was taken from the parent plant.

One of the greatest charms of these new varieties is the exquisite habit many possess which makes them so adaptable for growing as specimen plants or using in a cut state. In the majority the flowers are small or of medium size and are produced on slender pendulous

branches from the ground, and if they are grown to one main stem a perfect pyramid of bloom is obtained.

Some of the best varieties are: Enchantress, Hon. Edith Gibbs, White Diana, Cordifolius Profusus, Delight, Sensation, Triumph, Brightness, King Edward VII and Ideal, all of which grow from four to five feet in height. Golden Spray, Decorator, Osprey, Veinatus Perfectus and Thora all grow a yard high and produce a wonderful display of blossom.

Arthur. E. Thatcher

Arnold Arboretum.

Notes from the Arnold Arboretum

An interesting shrub, *Tripterygium Wilfordii*, entirely new to cultivation, is flowering this summer for the first time at the Arboretum. This shrub, a native of northern China and Korea, was introduced by Mr. J. G. Jack who collected seeds near Seoul in 1905. The genus *Tripterygium* of which only two species are known, belongs to the Celastraceae, but is entirely different from any other member of this family in cultivation. *Tripterygium Wilfordii* is a shrub from two to five feet high with upright or somewhat arching angled and warty stems and light green foliage; the slender-stalked alternate leaves are ovate to oblong in outline, serrate and long pointed and measure four to six inches in length. The slightly fragrant whitish flowers appear at the end of the branches or branchlets in pyramidal panicles from three to seven inches in length; the individual flowers are very small, about three-quarters of an inch in diameter and have small narrow petals. The three-winged seeds are ovoid in outline and about one-third of an inch long, greenish at first, becoming brownish when fully ripe. The shrub cannot be called particularly showy, but as it is flowering at a time when not very many shrubs are in bloom, it is a welcome addition to our summer-flowering shrubs; the fruits too are rather conspicuous. It has proved hardy at the Arboretum.

After the well known *Sorbaria sorbifolia* (*Spiraea sorbifolia*) has gone out of bloom another very closely related species but recently introduced from Japan is beginning to flower. This is *Sorbaria stellipila* (*S. sorbifolia stellipila*) differing from the first named species in their generally longer and narrower leaflets and somewhat larger and broader panicles; from a botanical point of view the chief difference lies in the pubescence of the ovaries and of the stalks of the individual flowers, also in the sometimes rather slight stellate pubescence of the leaves. Though in habit and general appearance it is almost like *S. sorbifolia*, it merits recommendation for its somewhat later flowering time. Like the other species of the genus it is a very showy plant when in bloom and like these it has the disadvantage of looking rather unsightly after the flowers have faded, as the discolored and shriveled rests of the flowers remain on the panicles. In a well kept garden the panicles should be removed after the flowers have faded. Like *S. sorbifolia* the new species is perfectly hardy.

Alfred Rehder.

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Flowers and the "Glorious Fourth"

A correspondent reminds us that we have six great festival days in our calendar year and that July 4th is the only one in which we don't use flowers. He comments severely on our heathenish way of celebrating this great

national anniversary and advises a campaign in behalf of a floral rather than a gunpowder observance of the day. This sounds good. What have the florists to say about it? What are they ready to do to promote this great reform?

Floral gifts for graduation scholars

The prohibition of floral gifts at school graduations in a number of places has naturally called forth a very general protest among the florists, whose business has thus been interfered with. The overdoing of the custom by the friends of some pupils and consequent humbling of those children less fortunate, which is given as the main cause for the interdiction, seems to us to be hardly a valid reason for the cutting off of a custom so pretty and impressive. We have in mind a certain college for young ladies where for a number of years very stringent rules were enforced as to the garb of the students at graduation and other public exercises, for reasons similar to the above mentioned. The ban was eventually removed—wisely, we think, for the result has shown that as a rule good sense has prevailed, undue ostentation being of rare occurrence and then harmless to everybody excepting the party indulging in it. Children who have reached the age for school graduation have already lived long enough to fully realize their comparative lot among their fellow beings. Those less fortunate have become inured to privation and in the great majority of those to whom fortune has given an abundance their natural nobility and generous impulse can usually be relied upon to restrain them from any undue assumption of superiority. Let the children have all the flowers their friends like to give; the time will not be long a-coming when there will be more lemons than flowers for all of them, rich or poor.

To appeal to the S. A. F.

This suggestion has been made that this grievance regarding graduation flowers be brought to the attention of the Society of American Florists at its next meeting in Cincinnati and that the Society be asked to take up the matter on behalf of the florists of the country. The suggestion is a good one and the national organization is the proper intermediary in all such business which virtually concerns the trade in general. We might remark by way of encouragement that the S. A. F. has usually come out on top in any campaign which it has seriously entered into for the benefit of the profession. It is certainly very nice and convenient to have so potent a champion which may be appealed to in time of trouble. The Society has never demanded any assurance of compensating allegiance on the part of those whom it has befriended in the past but it would have been much more creditable to the florist trade had gratitude and allegiance been more generally displayed by the beneficiaries and it is to be hoped that the future may see a great improvement in this respect. Considering what the S. A. F. has been able to accomplish with the support of so small a percentage of the horticultural trade as appear on its rolls the possibilities with a full representative membership seem almost boundless. Returning for a moment to the flower question, we note in a contemporary the over-ripe statement that the city of Boston annually provides a bouquet for each graduating pupil in the public schools. This was true up to three years ago, when the custom was abandoned. It has been said that one reason for the discontinuance was the unsatisfactory character of many of the "creations" supplied to the city on such occasions under the name of bouquets.

Clerodendron Thomsonae (*Balfouri*)

A more useful greenhouse plant would be hard to find than this magnificent climber. It can be used as a specimen trained either as a pyramid, or balloon-shaped. As a pillar plant for twining around the supports of a conservatory it is ideal. Covering a wall or draped gracefully around a doorway it makes a beautiful effect. It has been known to the gardening world since 1861 coming from Old Calabar, about that year. I have often wondered why commercial florists have not taken to growing it as a spring flowering plant, as it can be had in bloom for Easter or earlier, and, if properly treated, as late as the end of September, and, as to its lasting qualities, we have a plant here in Medford, Mass., placed on a north piazza that has been in flower five weeks and it is still quite fresh.

This *Clerodendron* is easily rooted in a temperature of about 65 to 70 degrees, and if given a good open rich loam will make quite a plant in a couple of years. After it has reached that age is a good time to figure at what season you want it to flower. We give it two months' rest only giving enough water to keep the wood from shrivelling. At the end of that time most of the leaves will have dropped. During the resting period, if possible keep in a house with 10 degrees lower temperature than when growing. Around 70 is good heat to start the ripened off plant into growth and a shift into a slightly larger pot will give larger panicles of flowers. In early spring it will take two months to get the plant into flower but as the season advances it will take much less time. We figure on starting another plant for a succession when the first begins to show the crimson color on the end of the flower and so on during the season.

There are many other *Clerodendrons*—shrubs and climbers, but for greenhouse purposes the above-mentioned as a climber, and *Fallax* as a shrub, are in my opinion as good as any. The above culture agrees very well with *C. Fallax* only I think it likes a slightly higher temperature and does not want so severe a drying off as *C. Thomsonae*.

George F. Stewart.

West Medford, Mass.

The New Hybrid Freesias

The new varieties of *Freesia* brought into commerce by the well-known Dutch firm, C. G. Van Tubergen, and called *Tubergeni* under various varietal names, are creating a favorable impression among European horticulturists. These hybrid varieties are of tender rose, lilac,

pure golden yellow, etc.; and they flower as freely, are as vigorous in growth, as fragrant and as easily cultivated as the ordinary *F. refracta*.

The blooms possess the same delightful fragrance of violets as that species.

In the year 1901 the firm of Van Tubergen received from an English correspondent, Mr. Armstrong, resident in S. Africa, several *freesia* tubers with the remark that these were pink flowering. Naturally Herrn Tubergen was somewhat suspicious concerning the color of the new comer; as all the *freesias* obtained from that part of the world were outwardly of a brown tint, or white with yellow staining. *F. aurea*, another Cape species, has a yellow tint, and small flowers, and is a gardener's variety only, with no market value.

Freesia Armstrongi, a name given to the variety by Herrn Tubergen when it bloomed, was employed as the pollen parent in crossing with *F. refracta alba*, and the cross originated the *F. Tubergeni* varieties. By comparison with *F. refracta alba*, the flowers of *F. Armstrongi* are considerably smaller, but the value of the hybrids consists in their lovely tints, and more numerous flowers. *F. Armstrongi* differs from *F. refracta alba* in its weaker habit, its less stiff pose and weaker flower stalks which reach an unusual height, and the many side flower-shoots produced. The chief flower stalks carry from 9-12 flowers and the side stalks mostly 6-8 each, as against a total number of 8-9 on *F. refracta alba*.

F. Armstrongi was next crossed by Herrn Tubergen with the largest flowered *F. r. alba*, snow white and destitute of all spotting, the last named being the seed bearing parent; and the male, the most intensive in color of the varieties he had. Several hundred of seedlings of this cross have been raised, of carmine and rose tints, with many gradations; and some differences in habit. The darkest in color and strongest in growth will be selected for perpetuation, and for use in future crossings; and some of these were shown at the Haarlem Show, obtaining the Golden Medal, as being the most "valuable quality."

Some continued crosses of *F. refracta*, *F. r. alba* and *F. Leichtlini* with *F. Tubergeni*, have given in the second generation, quite other results. Along with many valueless varieties, a certain percentage of desirable new forms and rare colors in the flowers may be anticipated; and thus far, the results have been satisfactory, and tints produced hardly to be hoped for in *Freesias*. One variety, which from the first, exhibited great vigor of growth and flowers of a soft mauve color, has received the name *F. Tubergeni Amethyst*, and is already in commerce; and it promises to be much sought after. The variety received an award of merit at a recent meeting of the R. H. S. in London.

Andrick Moore

THE SPECIAL CONVENTION NUMBER

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NEWS OF THE CLUBS AND SOCIETIES

A JOINT MEETING AT MINNEAPOLIS.

The Minnesota State Florists' Association held their first field meeting this season at the Rose Garden of the Minneapolis Park Department on July 2, 1909. At the same time the Minnesota Rose Society had a meeting there, also. The attendance was not very large, probably on account of the extremely hot weather.

The rose garden is located on Lyndale Park, near the northeast corner of Lake Harriet. On all sides it is screened with woods, protecting it from the cold, dry, northwestern winds.

There are sixty-four beds (one variety to each bed), two-thirds of which are planted with H. R.; the rest with H. T. On one end there are four large beds with Rugosas and the whole is enclosed with a fence along which there are climbers. Outside of the fence the grounds are planted out with different wild roses. The garden was planted only last year and considering this it looked very good and promising.

Among the H. R. the following stood the climate test best so far: Francois Michelin, Mabel Morrison, Clio, General Jacqueminot, Helen Keller, Magna Charta, Pride of Waltham, Mrs. John Laing, Perfection des Blanchés, Gloire de Margottin, Jules Margottin. In H. T.: Lady Moyra Beulerc, Pink Cochet, White Maman Cochet, La France, Killarney, and Gruss an Teplitz wintered very well, are making good growth and are very free bloomers.

In climbers the Polyanthas did not do so well, except Rubin, which came through the winter very good. The Wichuraianas fared better than the above and with but few exceptions did very well.

Boule de Neige, Duc de Rohan, Marchioness of Downshire, Countess of Rosberry, Alfred Williams, Duchess of Fife, Richmond, Mme. Abel Chatenay, Jennie Dickson, Xavier Olibo, Victor Hugo, Marchioness of Dufferin, Louise Van Houtte and Bertha Gieman got very badly winter-killed and it looks as if some of these varieties will have to be discarded.

All in all the Rose Garden is proof that roses can be grown even in this severe climate. It is educating the people, they come and see the roses, take the names down of those that are doing well and in this way influence the nurseryman to get the variety they want, and not something "just as good."

The inspection of the garden being over, the members of the two associations retired to a shady spot, where Mr. Wirth gave a short talk on the preparation of the rose garden, explaining the original lay of the land and the changes that had to be made to get a garden with good exposure and drainage. A walk was taken from here to the greenhouses, where the perennials were inspected, refreshments served and the picnic committee reported that the picnic would take place on July 15 at Big Island, Lake Minnetonka.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

What Is the Matter with Cincinnati?

The writer has just returned from a visit to Cincinnati in regard to Convention matters, and after a thorough canvass of the situation is prepared to most emphatically state that both Cincinnati and the Cincinnati florists are "All Right."

They seem to have anticipated every difficulty and every discomfort which might arise to their visitors and have taken effective steps to avoid them. They say unanimously that Cincinnati is not so hot a place as people think, but as they have learned that the impression has gone out that exceptionally hot weather is likely to be experienced at the Convention time, they are taking steps to avoid that discomfort all along the line. They have decided not to decorate the hall, which would cost \$150 or \$200, but instead to put all of that money into extra ventilating fans so that there will be a good breeze stirring in every part of the hall and visitors will be perfectly comfortable at all times. At the Gibson House, which will be headquarters, they have arranged that a fan will be furnished in every room, without charge, for all those who engage rooms in advance.

The President's reception will not be held in a stuffy hotel ball-room, but will take place outdoors in a park up on a hill where the cool breezes play and where the absence of a vest or even a coat will not cause comment. After the reception there are great doings in store, but the writer is sworn to secrecy regarding them for the present.

The arrangements for bowling are admirable. The alleys are ideal and it is stated that no one can get hot there unless from the violence of his own physical exertions or from mental anguish caused by failing to make as many strikes as he would like.

Friday will be devoted to an excursion by boat up the river to a large island maintained as an amusement park. Here also much secrecy was maintained and many knowing looks were exchanged among the local men regarding the "stunts" which were to be pulled off. I did hear accidentally, however, something about a barbecue—an ox and two or three sheep to be roasted whole, and it was stated that the ball game would be held at this place in the afternoon. Take it all in all, the prospects for a comfortable time and a most enjoyable one could not be better.

Superintendent Murphy is the busiest man ever these days. He has already sold over ten thousand feet of exhibition space and says that the way inquiries and applications are coming in there is no doubt but what all available space will be taken, even though the full space is three or four times as great as at Niagara Falls. His address is William L. Murphy, 311 Main Street, Cincinnati, and those who have not already arranged for exhibition space should take heed that they make application at once or it may be too late.

W. N. RUDD, Secretary.

July 9, 1909.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

Since the abandonment of our old hall after the April meeting, owing to the construction of a new building on its site, the club has been meeting in the rooms of the different cut flower commission houses. This arrangement will probably continue during the summer and early fall months, while the attendance at the meetings is comparatively small. The meeting of Tuesday, July 6th, was held in the rooms of the McCallum Co. Picnic committee reported in favor of Keystone Park for Thursday, July 15th.

When the subject of the S. A. F. Convention, Aug. 17-20, at Cincinnati, was brought up, it developed that there would probably be a good attendance from our club and the president appointed E. C. Reinemann to take charge of the transportation arrangements.

The only exhibit was a large one of potted fancy caladiums by the North Side Park Conservatories, Jas. Moore, foreman. The size and fine quality of the exhibit drew much commendation and a vote of thanks was given Mr. Moore.

There will be no August meeting. Subject for the September meeting: "Gladioli and Seasonable Flowers."

H. P. JOSLIN, Secy.

ST. LOUIS FLORIST CLUB.

The last meeting of the current year of the St. Louis Florist Club took place on Thursday afternoon, July 8. Only twenty members were in attendance including all the officers. The present officers have been very faithful, having missed very few meetings during this term. The secretary stated that half of the delinquent members had paid up and the other half were given until the August meeting before being dropped from the rolls. The trustees reported that all arrangements for the annual outing on July 21st, at Romona Park were complete. Everything will be free for the florists and their friends without any expense to the club. The list of prizes is large and valuable.

A letter was received from the St. Louis Horticultural Society asking the members to co-operate in giving a fall flower show and the Club showed its good will by voting to assist and to provide cash prizes for \$50 to be competed for by local growers only.

W. C. Smith who will this year have charge of local S. A. F. matters stated that he had arranged with the Big Four R. R. for a special car known as the Florists' Special for the trip to Cincinnati. He has quite a good list of names already and expects to fill his car.

Officers were nominated as follows: Frank J. Fillmore and W. C. Young for president, John Cannon and Henry Kahrs for vice-president, J. J. Beneke for secretary, William C. Smith for treasurer and Fred H. Weber and A. J. Bentzen for a three-year term trustee. Nominations are still open and election will take place at the August meeting. The question came up as to holding out-door meetings during the months of August and September. A. J. Bentzen invites the Club to hold its

August meeting at his place and on a vote the invitation was accepted. For the September meeting Frank Weber of the H. J. Weber & Sons Nursery Co., also invited the Club to meet at their grounds and the kind invitation was also accepted.

NATIONAL SWEET PEA SOCIETY.

(Continued from our Issue of last week.)

At the session on Wednesday evening an interesting discussion followed Prof. Craig's paper on the desirability of establishing test gardens. It being stated that the Cornell staff at Ithaca would be glad to take up the work and that there was abundant ground there for the plantations, the proposition was favorably acted upon and a committee consisting of Prof. Craig, A. T. Boddington, Maurice Fuld and William Sim was appointed to co-operate on behalf of the Society.

On Thursday evening a final session was held at which the usual resolutions were passed and announcement made of a committee meeting at Cincinnati at the time of the S. A. F. Convention. The attendance of the public at the exhibition was very small although the New York daily papers gave considerable space to an account of it. The banquet on Wednesday evening was a very pleasant affair. Thirty gentlemen were present and remarks were made by every one, J. Austin Shaw contributing a poem full of congratulatory sentiments.

The Awards.

Howard Gould, gardener Harry Turner, won the Boddington cup; William Duckham the W. Atlee Burpee cup, first prize of the Morris County Gardeners' and Florists' Society, first Watkins and Simpson prize and one special mention; W. W. Rawson & Co., the Peter Henderson & Co. cup, the W. Atlee Burpee prize, the Harry A. Bunyard prize, first John Young prize, the Frank H. Traendly prize, the C. C. Morse Co.'s prize, the Chas. H. Totty prize and the A. T. Boddington prize, and three seconds and two third prizes; Chas. R. Hedden, W. W. Rawson silver medal, one third prize and two special mentions; Hon Seth Low, gardener Hugh Birch, the Stumpp & Walter prize, the H. A. Dreer prize, the J. M. Thorburn & Co. prize, the F. R. Pierson Co. prize, the Florists' Exchange prize, the Jerome B. Rice prize, the H. E. Fiske Co. prize, five seconds and one third; A. T. Boddington, the C. C. Morse & Co. cup; A. T. DeLaMare, the H. F. Michell prize and one second; T. S. Ormiston, gardener J. F. Anderson, the Harry Turner prize and two thirds. Lager & Hurrell, honorable mention for display of orchids. Special mention to Howard Gould for *Acalypha Sanderiana hispida*, Rosary Flower Co. for table decoration, Julius Roehrs Co. for decorative plants and orchids, Jos. A. Manda for orchids and John Lewis Childs for callas and iris.

CLUB AND SOCIETY NOTES.

The florists of Indianapolis are arranging for their picnic in the near future.

The Kentucky Society of Florists will have their picnic at Stower's grove, July 22.

The Maryland State Horticultural Society will hold its summer meeting at



FIELD OF 2-YEAR PEONY QUEEN VICTORIA

Gilbert H. Wild, Sarcoxie, Mo.

Mountain Lake Park, July 31 and August 1, 2, 3.

The Massachusetts Horticultural Society will hold a sweet pea exhibition in Horticultural Hall, Boston, on July 17 and 18.

The Georgia State Horticultural Society will hold its annual meeting in the Hotel Georgian, Athens, Ga., on August 4 and 5, opening at 10.30 a. m. The program presents an attractive array of topics for consideration.

OBITUARY.

Mrs. Godfrey Aschmann.

Margaret B. Aschmann, wife of Godfrey Aschmann, died July 10, in her 64th year. The funeral services were held on Wednesday, at 2 p. m., at her late residence, 1012 W. Ontario St., Philadelphia. Interment was private, at Chelton Hills.

Philip Hagenburger.

Philip Hagenburger, for thirty-five years florist for the Lake Shore Railroad, in charge of decorations between Buffalo and Toledo, died suddenly at his home in Mentor, Ohio, on July 5, at the age of 64. A wife and four children survive him.

Mrs. John E. Haines.

Word reached Philadelphia by telephone on the morning of July 13, recording the death of Mrs. John E. Haines, Bethlehem, Pa., wife of the well known carnation grower.

A. C. Ullrich.

Adam C. Ullrich, a native of Germany and one of the old-time florists of Ironton, Ohio, died on June 27 at the age of 83. Eight sons and a daughter survive him.

A. G. Burtnett.

Abraham Garrison Burtnett, a former florist in Maiden Lane, New York city, died at his home in Bronxville on July 5, aged 72.

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual club picnic will be held at Randolph Grove, Randolph, Mass., on Wednesday, July 28, 1909. To reach the picnic grounds: Take any elevated, tunnel or surface car in Boston to Dudley Street; from there take any electric car to Mattapan, where a Randolph, Avon and Brockton electric passes the grounds; running time about one hour. A circular giving full list of sporting events is ready for distribution.

There will be an unusually attractive collection of prizes for the various athletic events, donated by club members and firms.

Tickets for gentlemen are 50 cents each and are procurable only from Peter M. Miller, 32 South Market St., Boston. No tickets will be sold after July 24.

J. P. A. Guerineau will captain the Commercial base ball team, while R. W. Curtis will captain the Privates. All necessary particulars concerning sports and other matters will be found in the circular. Good weather only is necessary to make the coming picnic the best ever.

The club will hold a field day with W. B. Whittier & Co., Framingham Nurseries, on August 14; the Eastern Nurseries, Holliston, will also be visited if time permits. On September 11 a field day will be held with W. H. Wyman at the Bay State Nurseries, No. Abington.

A cordial invitation is extended to any who are not club members to attend the picnic and have a pleasurable day, also to be present at the field days.

W. N. CRAIG, Secretary.

The institute of the State Board of Horticulture held at University City, Mo., for three days was largely attended and one of the most successful ever held by the organization. About 150 of the visitors were guests of Mayor Lewis at luncheon on Wednesday and a banquet was tendered the members at Shaw's Garden, St. Louis, on Thursday noon.

RELICS OF THE SAN FRANCISCO FIRE.

An especially difficult feat of landscape gardening that has taken the time of six men for nearly two weeks, was accomplished by the MacRorie, McLaren Co., when two huge thirty-foot specimen Phoenix canariensis were removed from the abandoned residence of H. E. Huntington on the top of Nob Hill, San Francisco, and transported a distance of five hundred miles to his new residence at Los Robles, near San Gabriel, Cal.

Palm-moving is quite an every-day occurrence in California, but I question whether any have ever been moved such a great distance with so much



success. The accompanying illustrations will give a fairly good idea of the size of the palms. Each palm when boxed weighed eighteen tons, and a string of ten horses was required in order to transport the palms to the railway station, a distance of two miles, through some of the busiest streets in San Francisco.

The palms figured were also of more than ordinary interest to the citizens of San Francisco, having stood there for over twenty years. In addition to this fact, they might be classed as most interesting relics of the earthquake-fire of 1906, at which time Mr. Huntington's magnificent residence was destroyed, along with everything in that district. The fire stripped the palms completely of their foliage, leav-

ing only the bare and blackened stems. Since that time, in the course of three years, fresh growth has been made by them, new well-developed crowns have appeared and they bid fair to become two of the most interesting objects on the Huntington estate.

The work of removal was under the supervision of D. MacRorie, and from start to finish was done without a hitch.

WM. McM. BROWN.

CIVIC IMPROVEMENT IN CHICAGO.

On July 3rd the Commercial Club made public its plans for the enlargement and beautification of the city of Chicago. The work of this club has covered a period of thirty months and is submitted in a 164-page volume, giving detailed plans and pictures of proposed changes that will show the new Chicago in a harmony of parks, boulevards, plazas, public buildings, and perhaps most needed of all, systematized traffic.

First is the improvement of the lake front by building out into the lake a park and lagoon to run the length of the lake front and the establishment of a big harbor at the river's mouth. Second, the creating of a system of four highways outside the city with cross-roads conveying to the heart of the city like a spider's web. Third, improvement of railway terminals. Fourth, the acquisition of the long-talked-of outer park system. This provides for the buying up of the natural forests surrounding Chicago on three sides. Fifth, refers to the more systematic arrangement of the streets; and sixth, to the centers of intellectual life and civic administration. As the club realizes, the first step now is to educate the people up to it. The proposed changes are illustrated by a series of paintings, drawings and designs exhibited in the Art Institute and opened to the public, July 12th. These are the original paintings by Jules Guerin, Ferdinand Janin and other artists, and the photographs are of the beauty spots of other cities.

This movement has been under way ever since the World's Fair, and the long struggle for the improvement of the city will be appreciated by people all over the country.

Louisiana, Mo.—Stark Bros. Nurseries & Orchards Co. have elected A. E. Senteny secretary, to succeed the late Hon. Eugene Stark; Eugene Duncan, director; and William, son of W. P. Stark, assistant treasurer.

THE SECOND NATIONAL APPLE SHOW.

Widespread as was the interest in the first national apple show last winter, when growers from various districts in the Northwest and South and other parts of the continent exhibited their choicest fruit in competitions, ranging from a full car of 640 boxes to a single apple, there are already many indications that the second exposition, planned for the week of December 6 at the state armory in Spokane, will bring even greater results in popularizing the apple as a national fruit and food.



REN H. RICE

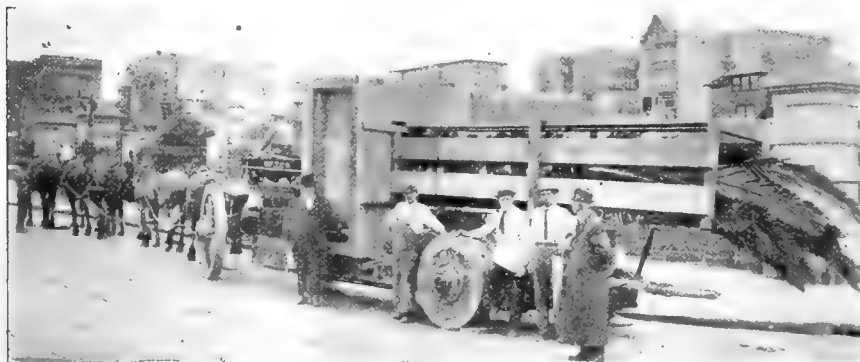
Sec'y Mgr of National Apple Show, 1909.

The board of trustees, headed by E. F. Cartier Van Dissel, has plans in hand which will give more room than was allotted last year, when 75,000 square feet of floor space was filled to overflowing, making it necessary to refuse exhibits after the opening day, as no additional room could be prepared to accommodate them.

The original organization, headed by Louis W. Hill of St. Paul, president of the Great Northern Railway Company, has been maintained with two changes in the executive board. Harry J. Neely becomes first vice-president, succeeding L. F. Williams, retired, and Ren H. Rice succeeds Mr. Neely as secretary-manager, with headquarters in room 216 of the Hutton building, Spokane, where a staff is already at work preparing for the coming show.

"The show will be complete in every detail," said Secretary Rice in making the preliminary announcement, "and advices already to hand indicate that we shall have even a greater variety of exhibits than in 1908."

Denver, Colo.—Albert E. Mauff has filed a complaint against the State Horticultural Board charging that Mrs. Martha Shute is drawing the salary of secretary while another person holds the appointment.



Moving Large Palms.

BOUGAINVILLEA GLABRA SANDERIANA UNDER GLASS.

It is seldom that Bougainvilleas of any species are planted out in beds of soil, but they are almost universally cultivated in pots, with the results that the plants make an extraordinary vigorous growth and bloom sparsely; yet the culture of the plants is of the simplest kind when planted out in a properly prepared bed of soil, and the flowering period lasts for nearly six months, and includes the winter season at which time the plants afford the best paying blooms for cutting purposes.

The method of treatment pursued by Max Mayer, gardener at Schloss Tutzing, as given by him in "Moller's Deutsche Gartner-Zeitung," No. 24, 1909, is as follows:

"In the months of January or February short cuttings in a soft condition are taken and struck in the propagating house or dung bed frame, in silver sand washed clean of all loamy particles. The cuttings should be placed in the bed in a slanting direction, and not more than one-half an inch deep; the temperature of the bed being 73 degrees to 82 degrees Fahrenheit. By the more moderate degree of warmth they make roots in three to four weeks. Cuttings taken from the upper branches root more quickly than others. The rooted cuttings should be potted in light rich soil mixed with a loamy kind, and placed in a warm dung-bed. When well rooted they may be afforded manure water at frequent intervals, and in the month of July receive frequent pinching of the points of the shoots. In August the plants may be set out, without any disturbance of the ball, on a bed placed in the middle of a span-roofed house provided with portable lights, and means of heating. The bed must be provided with good drainage and a layer of decayed manure, with a layer of rather heavy soil topped with a lighter description. The plants should stand in this bed at about 3 feet apart, and the entire soil of the bed built up to a height of about 3 feet. When the plants are established in the soil, the lights should be removed, and not brought into use until cold threatens at night. During rainy weather the lights should be put on the roof. Syringe the plants morning and evening, and apply shading at about mid-day, when the sun's rays are fierce. In order to mature the young wood and cause the fall of the older leaves let the soil be kept dry from the end of the month of August. As soon as the glass house must be heated, it is time to commence to afford water to the plants and to take care that as great an amount of sunlight as possible reaches them. With the above described treatment the plants develop fine bloom in the first year in December.

"In the second year during and after flowering, afford manure, pinch the shoots and train the plants. The lights should be removed earlier the second year than in the first. According to the time of year when the plants are required to flower, so must the dry period commence. Aged plants can be brought into flower at the beginning of November.

FREDERICK MOORE.

CARNATION BRITANNIA AS A POT PLANT.

H. A. Barnard of Low's sends the accompanying picture, remarking that as nearly all the carnation growers whom he met on his recent tour in America spoke of Britannia as a failure, he is glad to be able to present so good an evidence of its worth. The plant illustrated was exhibited at the Temple Show. It was 2 years and 5 months old and carried 12 flowers, 58 developed buds and 219 flowering growths, the flowers measuring 3 1-2 inches in diameter. It was propagated in January, 1907, flowered in a 7-inch pot all the following winter until latter part of June; was re-potted into



a 10-inch pot in July, 1908, and flowered from the following autumn. It is only fair to state that it was fed exclusively on Low's Carnation Fertilizer for the past 9 months. It has been often suggested that pot-grown carnation plants would be a welcome addition to the exhibition of the American Carnation Society. Perhaps the foregoing may have a suggestive value to our carnation growers in that respect.

TOTTY LEASES FLORHAM FARMS GREENHOUSES.

C. H. Totty has leased the Florham Farms Greenhouses at Madison, N. J., which have been under Mr. Herrington's management hitherto. It is an immense plant and affords Mr. Totty a big field for the enterprise and business ability which he has displayed in so marked a degree since establishing himself commercially in Madison a few years ago. We know of no one better entitled to the good wishes of the trade, and HORTICULTURE cordially joins in the congratulation.

NEW PUBLIC PARKS AND GARDENS IN GERMANY.

As an evidence of the astonishing progress and wealth of the towns in Germany we may state that the municipality of Heidelberg has sanctioned the payment of 421,000 M. for a new central cemetery on the right bank of the Neckar. Mannheim is about to lay out a park of about 100 hectares for a sum of 293,000 M., according to the estimate of the town landscape gardener F. Keerl, who will be entrusted with the carrying out of the work.

PROPAGATING ARAUCARIA EXCELSA.

Editor HORTICULTURE:

Allow me to give L. M., your inquirer on page 42 of HORTICULTURE, more complete directions for propagating Araucaria excelsa.

As is well known all branches of the Norfolk Island pine will root but only cuttings of the leader will give symmetrical plants. To get a large amount of leaders, cut the leader and soon several adventitious buds on the main stem between the branches of the top whorl will start to grow. Some growers simply girdle the leader to produce the breaking. One grower of my acquaintance makes a cut immediately under the top whorl, puts a bit of charcoal in it to keep it open and mosses it, cutting it off and potting it as soon as the moss is filled with roots.

By which ever method used the practice is the same after the top whorl has broken. When the new breaks are 3 or 4 inches long they are carefully removed with a heel and put in the cutting bench; the whorl is cut off and the plant carefully grown on. Soon the next whorl breaks and the treatment is the same, and the same process is repeated until each whorl has given several terminal cuttings. In this way each plant is made to produce 20 or more cuttings, according to the number of whorls of branches, that will produce symmetrical plants, specimens just as good as are imported. B.

A PROFITLESS NARCISUS.

Editor HORTICULTURE:—

Two years ago last fall I purchased from our local sedsmen and planted two thousand of the double white narcissus, Alba plena odorata. The next spring the foliage and spikes looked to be in good condition and the plants were full of flower buds. But the buds never opened; they seemed to blast and rot without passing beyond the bud stage. From the two thousand bulbs I got one hundred and twenty-five cut flowers. I thought it might be due to an unfavorable winter, so I did not dig up and throw away the bulbs, but mulched them well and waited anxiously to see what they would do this spring. The same thing was repeated, but a little worse than the preceding year. I scarcely got a hundred blooms from the two thousand bulbs. I might mention that the bulbs are planted in two separate lots about three-quarters of a mile apart on widely different soil.

Under the circumstances do you think it worth while to keep these bulbs any longer, or would you throw them away now? I would very much like to grow this flower, as it comes just at a time when I can use it to advantage.

Yours respectfully,
EMSWORTH.

Alba plena odorata is not a profitable bulb to grow, outdoor or under glass. I have tried this for three years, but the loss is too great. It is about the average that you get 6 to 10 per cent. flowers. While the narcissus keeps on growing right along, just before flowering the buds dry up; therefore, I should not trouble any longer with the bulbs.

WILLIAM S. JURGENS.

HEACOCK'S KENTIAS



Our stock consists of healthy, HOME-GROWN
WELL ESTABLISHED Plants.

Kentia Belmoreana

	Each.	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in. high.....	\$1.00	\$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in. high.....	1.25	15.00
6-in. pot, 6 to 7 leaves, 26 to 28 in. high.....	1.50	18.00
9-in. tub, 6 to 7 leaves, 42 to 48 in. high.....	5.00	

Kentia Forsteriana

	Each.	Per doz.
6-in. pot, 5 to 6 leaves, 28 to 30 in. high.....	\$1.00	\$12.00
6-in. pot, 6 leaves, 30 to 32 in. high.....	1.25	15.00
9-in. pot, 6 leaves, 34 to 36 in. high.....	1.50	18.00

Made-up Kentia Forsteriana

9-in. tub, 4 plants, 42 to 48 in. high.....	\$ 4.00 each
12-in. tub, 4 plants, 6 feet high, heavy.....	15.00 each
12-in. tub, 4 plants, 6 to 8 feet high, heavy.....	20.00 each

Joseph Heacock Co., WYNCOTE, PA.

IMPATIENS HOLSTII NANA LIEG- NITZIA.

(Translated.)

On the occasion of a visit paid to a little flower show at Schweidnitz in Silesia in search of what was new, I came upon a group, hidden in a very unfavorable half-dark part of the hall, of *Impatiens Holstii* in flower, whose dwarf, compact growth and close flowers of a vermillion color arrested my attention. *Impatiens Holstii nana* Liegnitzia, the raiser, Oskar Otto of Liegnitz, had named it, and I will acknowledge the name openly pleased me not, for I do not like the Latinizing of plant names so long as one is in the position to give a German name to a new plant or variety that will become popular among the people as a new child among flowers. Still, this apart, this Red Riding Hood *impatiens* quickly pleased me, and I named her *Fleissige Lieschen von Liegnitz*, on the spur of the moment—a very passable name. This pretty child among flowers was noted down, and shown at the great exhibition at Berlin.

Convinced of the good points of this novelty, I undertook the distribution commercially of the variety, and was a witness during the days of the exhibition, how readily the public took to the little plant. Ach! See how sweet, how charming is the *Fleissige Lieschen*, and how distinct the coloring, and how modest. And the idea took me to imagine how a group of the azure blue *Clematis Lazurstern* (Goos and Koenemann) would look with an edging of the same.

This novelty was selling well the entire year—in the spring as a pot-plant, and more especially as an edg-

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Are Specialists in the

REALLY HARDY VARIETIES
of *Rhododendron* Hybrids and in Select Varieties
of Hardy Border Plants

Box Trees

ing plant in the garden, or as filling for flower beds of one color, in partial shade, and in full sunshine. Also in the autumn it was still being sold as a window plant, where it would blossom all the winter, at least in a spot where a modicum of the sun's rays could reach the plant.—Emil Chaste, Wilmersdorf, in *Die Gartenwelt*, May 21, 1909.

(An illustration in colors in the above corroborates the writer's encomiums.)

Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our
HOLLAND NURSERIES

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

EVER TRIED JAPAN GROWN CALLAS?

If not, try them to convince you of their superior quality. Not affected by disease. Bulbs very solid, grown one season in loam to make them fit for long voyage. Shipment expected end of July. Prices on application.

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31 BARCLAY STREET, NEW YORK

In ordering goods please add "I saw
it in HORTICULTURE."

Seed Trade

AMERICAN SEED TRADE ASSOCIATION.

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WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggerhof, Pres.; Burnet Landreth, Sec'y.

Secretary Wilson's Reported Retirement.

The report that Secretary James Wilson of the National Department of Agriculture is to retire December, next, will be read by the seed trade with interest. That Mr. Wilson is a most adroit politician no one will deny. In fact it has often been said that he was the most skillful politician in any of the administrations with which he has been identified. No charge against Mr. Wilson's personal integrity has ever been made by any responsible person and nothing of the sort is intended here, but without wishing to discuss the Secretary in a general way, it may be said that he was no friend of the seedsmen. During his administration the free seed evil has attained enormous proportions, growing from around 11,000,000 pkts. in 1896, to 60,000,000 for 1910. It cannot be claimed that the Secretary is in no wise responsible for this great increase in the distribution of free seeds, for though he probably has not specifically asked for it he has not opposed it, while many of his subordinates, like greedy cormorants, have continually asked for more. Many of these subordinates have spoken in contemptuous and disparaging terms of the seedsmen of the United States, and it is earnestly hoped that his successor will break up many of the bureaus or bureaucracies which have grown up under his administration. The Hon. Charles Frederick Scott of Kansas, who report says has been slated as Mr. Wilson's successor, is a newspaper man, but regardless of his profession it is hoped he will not continue the policy of antagonizing so important an industry as the seed business.

The Corn Crop.

According to the statistician of the New York Produce Exchange, this year's corn crop is to be 3,000,000,000 bushels, easily the largest ever raised, and indicates of course a high condition of the crop. If field corn is in such fine condition sugar corn is probably not lagging much, and in fact, reports from the West, including Ohio and Nebraska, would bear out this statement, but in New York and New England quite the reverse is the case, and particularly New York. Outside of Monroe and Washington counties, but little sugar corn seed is raised in New York state, though thousands of acres are grown for canning. At the present time, with a few exceptions, this corn is not at all promising, and will have a hard time reaching the canning state before frost, while its chances of making seed

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Read what my customers say about me: — "More than pleased." "Your shipment reached us first." "We have splendid reports from the results of your Seeds." "Will give you all of our future business." "Germination is good."

WHITE CRYSTAL WAX: **EARLIEST OF ALL** White Bermuda: White and Red

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TENERIFFE (CANARY ISLANDS)

EXPERT ONION SEED GROWER AND EXPORTER

STAKES

We are Headquarters for **Plant Stakes** of all kinds. We contract for enormous quantities, and can quote special prices in large lots.

NO. 10 STEEL WIRE, GALVANIZED

	Per 100	Per 1000
2 foot	\$0.45	\$3.75
2½ " .....	.55	4.50
3 " .....	.65	5.50
3½ " .....	.75	6.25
4 " .....	.85	7.25
4½ "	1.00	8.10
5 "	1.10	9.00
6 "	1.20	10.50
6½ "	1.30	12.00

NO. 8 STEEL WIRE, GALVANIZED

	For staking American Beauty and other strong roses	Per 100	Per 1000
2 foot	\$0.55	\$5.25	
2½ " .....	.70	6.50	
3 "80	7.50	
3½ "95	9.00	
4 "	1.10	10.00	
4½ "	1.25	11.00	
5 "	1.40	12.00	
6 "	1.60	15.25	
7 "	2.00	17.50	
8 "	2.25	19.75	

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are very much less. However, with the right conditions, corn can make rapid growth and it is not at all safe to figure on a failure just yet.

Pea Prospect.

Peas have not improved since last report, and unless all reports are misleading, there will be a short crop of seed. How short cannot be stated at present, but estimates will be made in a few weeks. Michigan is the chief sufferer, and it is due to lack of rain. Wisconsin seems to be in better condition, but reports from there are more or less conflicting, and the true condition cannot be given as confidently as that of Michigan. As to other crops, no material change has been noted, but the crisis will soon be reached for better or worse.

A Good Outlook.

Business with the seedsmen is well nigh over for this season, excepting for the sale of turnips, spinach, and late planting of beans, but the latter is a relatively small matter, and most of the business is of a routine character. If the volume of next year's business equals this, there will be little complaint, and present indications are certainly favorable.

Notes.

Oklahoma City, Okla.—The Western Seed Co. is in bankruptcy.

Fremont, Neb.—The Western Seed & Irrigation Co. will make an addi-

tion to their seed warehouse and bids are in order.

Shenandoah, Ia.—The Henry Field Seed Co. declared an 8 per cent dividend at their annual meeting on July 1.

Columbus, O.—The Livingston Seed Co. will locate their mail order and seed departments in the new building recently leased by them.

Yankton, S. D.—The Gurney Seed Co. have purchased additional land to accommodate their increasing business and will erect a modern brick and concrete seed warehouse 72 x 76.

Aschersleben, Germany. — Gustave Jaensch has retired from the firm of G. Jaensch & Co. and Lorenz Zopez is made first director. Mr. Zopez has carried on the seed business under the name of Carl Kampf for the past five years.

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Wm. Elliott & Sons
42 Vesey St., New York

SEED LEGISLATION, ITS USES AND ABUSES.

Prof L. H. Pammel, Iowa State College of Agriculture, presented a valuable paper on the above topic before the American Seed Trade Association at Niagara Falls. He said that cheap seeds mean poor seeds. The passage of laws in Europe while improving quality there has thrown poor quality seeds on the market here. Seed testing work originated by Dr. Nobbe, at Tharandt, Germany, in 1867, revealed startling conditions in the German trade in seeds. Later, other control stations started in other parts of Europe and laws were enacted correcting abuses. Pioneer work was done in this country by Dr. Jenkins, of Connecticut thirty years ago. Subsequently by McCarthy, N. C.; Dr. Beal, Mich.; Butz, Penna.; Deval, Selby and Hicks, Ohio; Hillman, Nev.; Robbert and Freeman, Kansas; Harvey, Maine; Garman, Ky.; Stewart, Rolfs, Pammel and King, Iowa; Jones, Vt.; Hicks, Pieters, Brown, Key, Hillman, of U. S. Dept. of Agriculture; Clark, Paton, Saunders of Canada. This work has revealed the necessity of laws to restrict the sale of seeds containing weed impurities, and to demand a reasonable standard of vitality. The average gardener and all small consumers depend for their seeds upon the seedsmen, who must therefore furnish a good quality, reasonably free from noxious weeds and showing reasonably good germination. The farmer is anxious to put all blame on seed merchant, and the seed merchant claims that he cannot be held responsible for seed after it has left his hands. The farmer in many cases is responsible for weediness of seeds. Tests made by the writer and Miss Charlotte M. King in the spring of 1908 and 1909 on the vitality of grass and clover seeds showed results in field tests lower than in incubator and greenhouse tests, more strikingly so during the unfavorable season of 1909.

The lecturer believed it would not be wise to fix by law a standard of purity and vitality as in Iowa but better to allow a commission to fix these every year, especially as to vitality. Seed will vary as to germinating power, depending on many factors. Prof. Holden has shown how poor the vitality of corn was in Iowa under different conditions there. The same is true of other seeds. For a federal commission let the members be the Secretary of Agriculture, a seed expert and a seedsman; in the case of states, the commission to consist of the State Botanist, the director of the experiment station and a seedsman.

States should have uniform laws, so that seedsmen can adjust themselves to them; no law should be passed that cannot be honestly and fairly well enforced, and buyer and seller should be equally considered. Laws should specify what noxious weeds are prohibited, and when these are present they should be specified on the label. Every law should contain sections on adulteration of seed. Substitutions of Canadian Blue Grass for Kentucky Blue Grass or Fescue for Awnless Brome Grass should not be tolerated nor should seeds be misbranded. The farmer should be held equally responsible with the seed merchant, and subject to the same laws without any

favoritism to him. Clover and grass fields should be inspected before harvesting, by an expert, and those foul with weeds should not be harvested.

The various experiment stations should publish more bulletins about seeds. The lecturer doubted the wisdom of publishing the names of seed merchants who have sold seeds found to be below standard requirements. Co-operation is wanted between all interests, seedsmen, farmers and seed merchants. Imported seeds from Europe should be rigidly inspected, and importations stopped of seeds containing Canadian Blue Grass, Canada Thistle and Dodder in clover seed. Prof. Pammel endorsed the bill proposed by Mr. Green to be introduced in Congress. He called attention to the variance in results of tests by the various stations and U. S. Department of Agriculture, and declared that until methods are more uniform results will continue to vary. He urged the American Seed Trade Association to pursue experimental testing and compare results with those obtained by Mr. Edgar Brown, of U. S. Department of Agriculture in checking up the tests by the various stations, etc.

PHILADELPHIA SEED TRADE NOTES.

Alfred L. Hart of the C. C. Morse Co., San Francisco, was a visitor on the 10th inst.

The three big B's of the seed trade. Bruggerhoff, Buist and Burpee, sailed on the "Cedric" on the 10th. Mr. Buist will make but a short trip, his main object being to get the benefit of the ocean voyage.

Simon & Son, the new seed firm on North Water Street, are well pleased with their first season's business, and are hunting around for additional warehouse space to make room for the largely increased new crop seeds to arrive from now on.

The Philadelphia Seed Co., \$5,000 capital, is the name of a new concern chartered recently. The names of the incorporators are not known at this writing. We have enquired at the principal seed houses without results. An enquiry has been sent to Harrisburg, the state capital.

No. 518 Market St. takes on a new aspect as the months roll by. More light, better facilities, occur from time to time to the bright minds of the Michell organization. The outfit will be pretty nearly perfect by the time the old home at 1018 is abandoned. It's not every house that has such a chance to make the new shell perfect before shedding the old.

VEGETABLE PLANTS

CABBAGE. Field Grown, all leading varieties, \$1.00 per 1000. 10,000 and over, 85c per 1000.

CELERY. White Plume, Golden Self Blanching and Giant Pascal, \$1.00 per 1000.

EGG PLANT. N. Y. Improved and Black Beauty, \$3.00 per 1000.

LETTUCE. Big Boston, Boston Market, Tennis Ball and Grand Rapids, \$1.00 per 1000.

PEPPERS. Ruby King, Bull Nose, Sweet Mountain and Neapolitan, \$2.00 per 1000. Chinese Giant and Cayenne, 50c per 1000.

PARSLEY. \$1.25 per 1000.

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White Marsh, Md.

Everything "For the Land's Sake."

The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

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GIANT PANSY SEED

The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed: 1000, 25c; 2000, 40c; 6000, \$1; 1 doz., \$1.40; 1/2 doz., \$2.50; 1/4 doz., 85c.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

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Kenilworth
N. J.

CABBAGE SEED

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
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ORDER NOW
French and Dutch Bulbs

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CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	1/2 oz.	1 oz.
GIANT TRIMARDEAU. Mammoth flowering and in good range of color.	50	1.25	2.50
GIANT MASTERPIECE. (11) Red Pansy. Petals beautifully variegated; exquisite colors.	50	1.25	2.50
CASSIER'S GIANT. A fine strain of large highly colored flowers.	50	1.25	2.50
GIANT BIGNOT'S STAINED. Extra choice flowers, large and plenty of light colors.	50	1.50	3.00
GIANT MADAME PERRET. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.	25	1.00	2.00
GIANT FIRE KING. Brilliant reddish yellow, with large brown eyes.	25	1.00	2.00
GIANT LORD BEACONSFIELD. Deep purple violet, top petals light blue.	25	.75	2.50
GIANT CANARY BIRD. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch.	25	1.25	4.00
GIANT ORCHIDAEFLORA, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	50	1.75	6.00
GIANT EMPEROR WILLIAM. Ultramarine-blue, purple eye.	25	.75	2.50
GIANT GOLDEN QUEEN. Bright yellow, no eye.	25	1.25	4.00
GIANT GOLDEN YELLOW. Yellow, brown eye.	25	.75	2.50
GIANT KING OF THE BLACKS (Faust) Black.	25	.75	2.50
GIANT PRESIDENT MCKINLEY. Golden yellow, large dark blotch.	50	1.25	4.00
GIANT PRINCE BISMARCK. Yellowish bronze, dark eye.	25	.75	2.50
GIANT PRETIOSA. Crimson-rose, white margin, violet blotch.	50	1.25	4.00
GIANT ROSY LILAC.	25	.75	2.50
GIANT WHITE. Violet spot; the largest white.	25	.50	2.00

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PANSY—BODDINGTON'S "CHALLENGE" ALL GIANTS

This mixture contains all the finest Giant strains—the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/2-oz., 75c; 1-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Giant Pansy Seeds

Representing seven of the best growers of Europe. Each color or strain packed separately. The proportion of light and dark is well blended.

Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, 1/2 oz. in each pkt.; in all, 24 pkts., weight 1 oz. \$7.36

Half Florist Collection—24 pkts., weight 1 1/2 oz. \$1.93

Amateur Collection—24 pkt., 500 seeds in each pkt., 12,000 seeds, \$2.50

Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25

Mixture—extra fine, 1000 seeds, 25c.

Exhibition Collection—4 pkt. 500 seeds in each pkt., 2000 seeds, \$1.00

Send for descriptive list of prize winners

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GIANT**

Oz., 75c; 1-4 oz., 25c

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AMONG THE PALMS.

The Heacock palm-growing establishment consists of about 80,000 sq. ft. of glass. There are a few side lines, but palms are the chief crop. A hearty welcome always awaits there the inquiring student in horticulture, and as Wyncote is only about a dozen miles outside of Philadelphia, with excellent and frequent train service, visitors are numerous—both for pleasure and business. On our trip we had the benefit of the cheerful companionship of John G. Gardner. Mr. Heacock conducted us through the vistas of kentias, arecas, cocos—in all sizes from thumbs to six, eight, ten and fourteen-inch pots. We saw none over six feet in height; but there were some very fine specimens of that size—and they are the limit of the commercially profitable. There is no money in very large palms—when their actual cost is carefully figured. Kentia Belmoreana is the popular favorite. All the others are subsidiary. Areca lutescens is not in the running any more. Only a few houses of it are now being grown.

STEAMER DEPARTURES

Allan.

Nunidian. Boston-Glasgow... July 23

Laurentian. Boston-Glasgow... Aug. 6

American.

St. Louis. N. Y.-Shampton... July 24

Philadelphia. N. Y.-Shampton... Aug. 7

Atlantic Transport.

Minnetonka. N. Y.-London... July 24

Cunard.

Campania. N. Y.-Liverpool... July 21

Ivernia. Boston-Liverpool... July 27

Lusitania. N. Y.-Liverpool... July 28

French Line.

La Bretagne. N. Y.-Havre... July 22

Hamburg-American.

Moltke. N. Y.-Med'n Ports... July 22

Amerika. N. Y.-Hamburg... July 24

Holland-America.

Potsdam. N. Y.-Rotterdam... July 20

Leyland Line.

Devonian. Boston-Liverpool... July 21

North German Lloyd.

K. Wm. d'Gosse. N. Y.-B'n. July 20

Fr. der Grosse. N. Y.-Bremen... July 22

Koenig Albert. N. Y.-Med. Pts. July 31

White Star.

Adriatic. N. Y.-Shampton... July 21

Laurentic. Montreal-Liv'pool... July 24

Cyprus. Boston-Liverpool... July 28

Cretic. Boston-Med'n Pts... Aug. 4

The demand for palms the present season is fully equal to last year, which was the best in the history of the establishment. Two houses are devoted to carnations, mostly of Mr. Heacock's new pink variety, Dorothy Gordon, which is to be disseminated next spring. Cattleyas and cypripediums are becoming a more extensive side line here of late to keep pace with the growing commercial importance of the orchid. A house of Princess of Wales violets is another side line. Mr. Heacock's palms are shipped to all parts of the country and he has a deservedly high reputation for first-class stock and careful packing. His green-houses have all been constructed on modern principles by his brother, who is a horticultural builder. Thermostats, Lonsdale evaporating pans, and other up-to-date accessories are in evidence. Altogether, a most enjoyable and profitable two hours can be spent in looking over this fine plant—which by common consent of Philadelphians is now dubbed—"The Home of the Palm."

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Your customers have friends going abroad, tell them about the Steamer Flowers. You can assure them that orders which you entrust to McConnell, Fifth Avenue, New York, will be promptly and creditably filled, at any Steamer, any Line.

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are particularly invited to correspond with us now and arrange for a mutual understanding as to terms and system, so that much uncertainty and unnecessary expense in telegraphing details at short notice may be avoided.

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BUSINESS CHANGES.

Ft. Wayne, Ind.—A. E. Kunderd of Kendallville, has located here.

Rome, N. Y.—E. H. Kipp and W. H. Edwards have leased the Byam Greenhouses, 408 Elm street.

Trenton, N. J.—D. A. Marshall has purchased the Wainwright Nursery and will continue the business.

Rockford, Ill.—A. L. Hunt of Kearney, Neb., has leased the Dempsey greenhouses for five years, and will open them at once for business.

Wichita, Kan.—The Culp Floral Co. have moved from Elm and Market streets to West Riverside. Their new plant will be three times as large as their original outfit.

Lee's Summit, N. J.—M. Butterfield & Son have dissolved partnership. The business will be carried on by J. S. Butterfield under the title, Lee's Summit Star Nurseries.

Greenville, Ill.—Mr. Corboz has bought the interest of his partner in the firm of Zbinden, and will continue the business. Mr. Zbinden has purchased land on East South street and intends to erect a greenhouse later.

PERSONAL.

James Bernard Canning of Providence was married to Miss H. J. Fitzpatrick of New Britain, Conn., on June 29.

George Baldwin, of Carrillo & Baldwin, Secaucus, N. J., sailed on the S. S. Lucania for Europe and will return the latter part of August.

The lower floors of Luehrmann's Hotel will be converted into stores, among which will be a flower department.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schuiz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Malden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

We learn that F. L. Atkins, of the firm of Bobbins & Atkins, Rutherford, N. J., was injured in an automobile accident on the 11th inst. Details are lacking but we sincerely trust that Mr. Atkins' injuries are not of a serious nature.

INCORPORATED.

New Rochelle, N. Y.—W. S. Hitchcock, wholesale and retail florist business: W. S. Hitchcock, Frank Davidson, F. X. Fallon; capital, \$15,000.

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\$5.00 — \$8.00 per 100

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“ Extra	20.00	to 25.00	15.00	to 20.00	10.00	to 15.00	12.00	to 15.00
“ No. 1	15.00	to 20.00	10.00	to 15.00	6.00	to 8.00	4.00	to 8.00
“ Lower grades	10.00	to 15.00	5.00	to 10.00	4.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00	to 6.00	4.00	to 8.00	6.00	to 8.00	3.00	to 6.00
“ Lower grades	2.00	to 4.00	3.00	to 4.00	1.50	to 3.00	.50	to 2.00
Killarney, Fan, & Sp.	4.00	to 8.00	6.00	to 10.00	8.00	to 12.00	6.00	to 8.00
“ Lower grades	4.00	to 4.00	3.00	to 6.00	1.50	to 4.00	.50	to 4.00
Richmond, Fancy & Special ..	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
“ Lower grades	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	.50	to 4.00
Chatenay	3.00	to 6.00	3.00	to 6.00	.....	to .....	.50	to 6.00
My Maryland	4.00	to 6.00	.....	to	2.00	to 10.00	.50	to 8.00
CARNATIONS								
Fancy	1.00	to 2.00	1.00	to 2.50	2.00	to 3.00	.75	to 1.00
Ordinary .....	.50	to 1.00	.50	to 1.00	.50	to 1.00	.25	to .50
MISCELLANEOUS								
Cattleyas	35.00	to 50.00	30.00	to 50.00	.....	to 50.00	30.00	to 40.00
Lilies	10.00	to 12.00	10.00	to 12.50	10.00	to 12.50	6.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette	2.00	to 4.00	2.00	to 4.00	1.00	to 4.00	1.00	to 2.00
Sweet Peas .....	.50	to 1.00	.75	to 1.25	.20	to .50	.10	to .35
Gardenias .....	.....	to .....	.....	to 50.00	6.00	to 25.00	8.00	to 25.00
Peonies	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	2.00	to 4.00
Daisies .....	.50	to 1.00	.50	to 1.25	.50	to 1.00	.50	to .75
Stocks .....	.....	to	2.00	to 4.00	2.00	to 4.00	.75	to 1.00
Snopdragon .....	.....	to	3.00	to 8.00	2.00	to 6.00	2.00	to 4.00
Adiantum .....	.75	to 1.00	.75	to 1.25	.75	to 1.00	.75	to 1.25
Smilax	12.00	to 15.00	10.00	to 18.00	10.00	to 12.50	12.00	to 15.00
Asparagus Plumosus, strings ..	50.00	to 60.00	30.00	to 50.00	25.00	to 50.00	25.00	to 50.00
“ “ & Sprea. (100 bchs.) ..	20.00	to 40.00	30.00	to 50.00	25.00	to 50.00	15.00	to 25.00

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Carnations
A Specialty.....

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On account of general scarcity in consequence of the dry weather we advise early booking. Send to us for your requirements. We can furnish the very best the season affords.

Lady Bountiful, Enchantress, Lawson, Queen Louise, Melody, Variegated Lawson, Robert Craig, President Seelye, Red Sport, Rose Pink

Enchantress, Genevieve Lord, \$6.00 per 100; \$50.00 per 1000.

Afterglow, Beacon, White Enchantress, White Perfection, White Lawson, \$7.00 per 100; \$60.00 per 1000.

Winona, Winsor, Splendor, \$8.00 per 100; \$75.00 per 1000. Sarah Hill, \$12.00 per 100. Harlowarden, Roosevelt, Eldorado, \$4.00 per 100. Mrs. Patten, Jessica, \$5.00 per 100.

S. S. PENNOCK - MEEHAN CO., The WHOLESALE Philadelpha
 Washington Store, 1212 New York Avenue Store closes 6 p. m. FLORISTS 1608-1620 Ludlow Street

Flower Market Reports.

BOSTON Very dry times in this market just now—a dearth of rain and a dearth of business. There is but little activity in any line of trading. Quality remains about the same as for several weeks back on most staples. Killarney is easily the best rose in sight and it is coming in from a number of sources; Killarney is small of bud and weak in color. Carnations are very inferior. Sweet peas are unprecedentedly abundant and there is no possible outlet for a large proportion of those received. Lilies have shortened up in supply and nobody complains thereat.

BUFFALO Trade is very moderate and there is an abundance of about everything in the cut flower line. Carnations are more than over-plentiful; the severe hot weather of the past two weeks has not alone forced them all in but most of the blooms are only half size and the prices low, there being no call for them. It would certainly be the wholesalers' delight if there could be one McKinley Day each week during these times. Sweet peas are being grown so extensively around this section that they are hardly worth while handling by the wholesaler; in fact, the larger portion are peddled direct to retailers from the farmers' wagon. Lily of the valley is forgotten altogether since the weddings ceased; other outdoor material such as snapdragon, candidum, lilies, daisies, asters, etc., are prominent amongst the list of daily receipts. Greens in good supply.

CHICAGO The condition of the market is about as usual at this time of the year. Good roses are very scarce and when orders come in a lively move is necessary to find the stock to fill them. Beauties are in fair supply. Carnations in general are poor and are considered out of the market, but J. A. Budlong and Poehlmann Bros. are selling as fine stock as anyone could wish. It is a question no one can answer, but themselves, how they can produce such blooms in July. The first asters are in and of course quite small. Sweet

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	July 13		July 12		July 12		July 14	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	18.00	to 20.00	10.00	to 15.00	12.50	to 18.00
" No. 1.	8.00	to 12.00	12.00	to 16.00	6.00	to 10.00	6.00	to 10.00
" Lower grades.	4.00	to 6.00	3.00	to 10.00	2.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
" Low. gr.	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Killarney, Fan. & Sp.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades.	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special.	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades.	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00	4.00	to 5.00
Chatenay	4.00	to 6.00	4.00	to 6.00	.....	to .....	.....	to
My Maryland	.....	to .....	.....	to .....	.....	to	4.00	to 8.00
CARNATIONS								
Fancy and Novelties	.....	to 2.00	2.00	to 3.00	1.50	to 2.00	1.50	to 2.00
Ordinary	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	50.00	to 75.00
Lilies	10.00	to 15.00	12.50	to 15.00	8.00	to 15.00	6.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Mignonette	2.00	to 3.00	.50	to 1.00	2.00	to 3.00	.50	to 1.00
Sweet Peas	.35	to .50	.85	to .75	.20	to .10	.25	to .75
Gardenias	.....	to	20.00	to 30.00	20.00	to 30.00	20.00	to 25.00
Peonies	.....	to	4.00	to 7.00	.....	to	3.00	to 5.00
Daisies	.35	to .50	.25	to .75	.50	to 1.00	.....	to 1.00
Stocks	2.00	to 4.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snapdragon	2.00	to 4.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Adiantum	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.25	to 1.50
Smilax	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	35.00	to 50.00
" " & Spren. (100 bchs.)	20.00	to 25.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

peas are good again and the first Golden Glow chrysanthemums are here to remind us that fall is just ahead. Lilies are in good demand. The shipping trade has been greatly hampered the past week by the floods in the west and south. The express companies have been obliged to refuse consignments of flowers because there was no assurance that trains would go through. Mail that should have reached Chicago Friday morning did not come until Sunday and many florists were obliged to disappoint their customers. Kansas City was especially inconvenienced, mail from there taking 48 hours to reach Chicago.

DETROIT Business has been good with most of us principally on account of the numerous conventions in the city, which seem this year to be more disposed to spend money than they were last year. In a large automobile parade, except for large floats which called for big plants of all descriptions the more elaborate decorations were done in artificial flowers; still there were several hundred cars trimmed with large bunches of flowers which made a pretty show and used up a large quantity of outdoor material.

PHILADELPHIA For a “good old summertime” week. Monday,

July 5th to Saturday, July 10th, was a fairly satisfactory proposition in the wholesale cut flower trade of Philadelphia. Carnations have dropped off in quality very conspicuously, and the asters are not yet good enough to take their place satisfactorily. Most of the latter arriving are under sized and short stemmed. Maryland and Kaiserin hold the fort among the roses, although Beauties are pretty good, and Killarney fair. The best Killarneys are still coming in from down east points. A few white Killarneys are arriving from local sources but they are rather short stemmed so far. Water lilies of the fancy varieties are scarce—there is plenty of common stock from the Jersey ponds. Sweet peas are not very good, and supply limited—yet plenty for the demand. Orchids move fairly well. Irises are over except for a few cold storage lots which will last for a week or two yet. Inside gladioli are nearly over and dependence now is on the outside crop: Pink oleanders are something of a novelty among the outdoor items. A charming flower, chaste and delicate like a camellia or gardenia, and fragrant—but not good to eat. Beware!

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All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

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	Last Half of Week ending July 10 1909		First Half of Week beginning July 12 1909	
American Beauty, Fancy and Special.	10.00	to 15.00	10.00	to 15.00
" " Extra.	5.00	to 8.00	5.00	to 8.00
" " No. 1.	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.	.50	to 2.00	.50	to 2.00
Bride, 'field, Golden Gate, Fancy and Special.	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.	.50	to 2.00	.50	to 2.00
Chatenay.	.50	to 5.00	.50	to 5.00
My Maryland.	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.	1.00	to 1.5	1.00	to 1.50
" Ordinary and White.	.40	to .50	.40	to .50

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There's NOTHING as good as

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Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 10 1909	First Half of Week beginning July 12 1909
Cattleyas.....	15.00 to 35.00	15.00 to 35.00
Lilies.....	3.00 to 5.00	3.00 to 5.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Daisies (per bunch).....	.10 to .15	.10 to .15
Stocks (per bunch).....	.08 to .10	.08 to .10
Sweet Peas (per 100 bunches).....	1.00 to 4.00	1.00 to 4.00
Gardenias.....	5.00 to 25.00	5.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Sprea. (100 bchs).....	15.00 to 25.00	15.00 to 25.00

SOUTHERN CALIFORNIA NOTES.

Edward W. Davies, late of Denver, Colo., has taken a position as rose grower for J. W. Wolfskill, Los Angeles.

P. D. Barnhart of Los Angeles, has taken the position as editor of the Pacific Garden, the Pasadena horticultural paper.

A few weeks ago the members of the Pasadena Gardeners' Association paid a visit to Jno. Bodger & Sons' sweet pea farm at Gardena.

J. R. Norris and son of Troy, Ohio, who spent the winter months in Los Angeles have gone east, and thence to Europe to replenish stock for next season.

Charles Winsel, seedsman and nurseryman of Los Angeles, has just purchased five acres of land at Montibello, which he intends to stock with palms and high grade shrubbery.

Recent visitors in Pasadena: Leonard Vaughan, Chicago; W. Atlee Burpee, and H. M. Earle, Philadelphia; Mr. Kirby of Henderson & Co., New York; Ernest Benary, Jr., Erfurt, Germany.

FLOWER MARKET REPORTS.

(Continued from page 83)

INDIANAPOLIS The past week has been one of extremely hot weather, and there has been little doing except an occasional wedding. The intense heat has told on the sweet peas and they are about gone. Carnations, and roses with exception of Beauties, Kaisersins and Killarneys, are of inferior quality. Bright colored gladioli are arriving in good shape and are very much in demand. A fine lot of lilies of all kinds are in but meet with little demand. Green goods are in good supply. Chrysanthemums are looking well with all of the florists and the indications are that there will be a good supply this fall. A few asters are now on the market, but it is a little early for the outdoor crop.

NEW YORK The supply of greenhouse-grown flowers in this market has been steadily diminishing, but there is an abundance for all the requirements

of the trade at this time when the flower store neighborhoods are forsaken by everybody who is not compelled to show up. Outdoor material is, of course, in heavy supply with but few takers for a large part of it, but the economically inclined retail dealer finds in it a welcome resource for a few vases of any garden or pasture flower at a trifling cost suffices to fill the show window and if, perchance, a customer for something more choice should drop in, the ever-ready telephone will put him in prompt touch with all the goods he wants without taking any risks at all. The wholesale section is a great and inexhaustible reserve supply—the best asset that the New York retail trade enjoys. Lilies are less abundant and prices are approaching normal. Sweet peas are an avalanche and do not pay for picking.

John Congdon, traveling representative of the W. W. Castle Company, Boston, has just returned from a trip in western Massachusetts with a big list of orders for Castle hot water boilers and Automatic Circulators.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Charles H. Totty, Madison N. J. Asparagus Plumosa and Sprengerl.
J. H. Dann & Son, Westfield, N. Y.
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Asparagus plumosus nanus, strong plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000. Seedlings at \$1.00 per 100; \$9.00 per 1000. Frank N. Eskesen, Madison, N. J.

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Bamboo Sticks, Colored Green.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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I. M. Rayner, Greenport, N. Y.

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Begonia Gloire De Lorraine.
For page see List of Advertisers.
J. H. Dann & Son, Westfield, N. Y.
Begonia Rex.
For page see List of Advertisers.
"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants, \$25.00 per 100; extra large plants from 4 inch pots, \$50.00 per 100. All propagated from leaf cuttings.
Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

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The W. W. Castle Co., 170 Summer St., Boston.
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Kroeschell Bros. Co., 35 Erie St., Chicago.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Calla Bulbs.
For page see List of Advertisers.

BULBS.—This ad. is our drummer. We certainly have got them and they are O. K. in size and condition owing to cold and damp spring. And the prices are right—delivered to you at 50 per cent. below Dutch bulbs, and being acclimated they flower ten days sooner. They are true, sound, clean, dry, healthy, selected stock. A postal will bring you all details as to varieties to plant or force, with cultural directions. D'Alcorn, The Southern Daffodil Farm, Portsmouth, Va. Where the fine Emperors come from.

CALADIUMS

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CANNAS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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J. H. Dann & Son, Westfield, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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Wood Bros., Fishkill, N. Y.
Carnations, Rooted Cuttings.

CARNATIONS—Continued

The E. G. Hill Co., Richmond, Ind.
Carnation Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
I. M. Rayner, Greenport, L. I., N. Y.
Chrysanthemums. 150 Pacific, 50 Halliday, 25 Bonaffon; R. C.; 25 Pacific; 25 Cremo; 50 Willowbrook, 2-in. pots, \$3.00 for the lot. Begonias, four varieties, R. C., five, \$1.00 per 100. Satisfaction guaranteed. Cash, please. S. E. Covey, Fredericksburg, Va.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COAL FOR GREENHOUSE USE

Bader Coal Co., Board of Trade Bldg., Boston.

COLEUS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CROTONS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCAS REVOLUTA

Whittet & Co., Lowell, Mass.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.

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John Scott, Brooklyn, N. Y.

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ELECTRIC CIRCULATORS

The W. W. Castle Co., 170 Summer St., Boston.

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EVERGREENS

New England Nurseries, Bedford, Mass.

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FERNS

A. Leuthy & Co., Roslindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.

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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Jardiniere Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000. Rose Hill Nurseries, New Rochelle, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle Manure.

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Bowker Fertilizer Co., Boston, Mass.

All Forms of Plant Food at First Hands.

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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan Co., Philadelphia.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

FLOWER POTS—Continued

We make Standard Flower Pots, etc.

Write us when in need.

Wilmer Cope & Bro.

Lincoln University, Chester Co., Pa.

Syracuse Pottery Co., Syracuse, N. Y.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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GARDEN HOSE

Revere Rubber Co., Boston, Mass.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For Winter Blooming.

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Godfrey Aschmann, Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass.

Revero Hose.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Lord & Burnham Co.,

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HELP FURNISHED

Thos. H. Bambrick, 34 So. 7th St., Phila.

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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stumpp & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.

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Bowker Insecticide Co., Boston, Mass.

Insect Destroying Preparations.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

Phila. Insecticide Co., 6117 Main St.,
Germantown, Pa.
Pullman's Insect and Worm Destroyer:
Nicotine.
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Eastern Chemical Co., Pittsburg St., Boston.
"IMI" Soap Spray.
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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Rosindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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O. V. Zangen, Hoboken, N. J.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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MASTICA

F. O. Pierce Co., 12 W. Broadway, New
York.
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MINIATURE CACTI

Cobweb plants, an interesting plant put
up in attractive form, 1-in. pots, \$5.00 per
100. Cash. W. H. Ritter, Cacti and Mini-
ature Plants, 825 N. 28th St., Philadelphia,
Pa.

MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
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'MUM CANES

Wm. Elliott & Sons, 42 Vesey St.,
New York.
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MUSAS

The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
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MYRTLE

Myrtle, blue for cemetery planting, \$2.00
per 100; \$17.50 per 1000. Geo. A. Dhonau,
Station H., Cincinnati, Ohio.

NARCISSUS

A. Mitting Calla Lily Bulb Co., Santa
Cruz, Calif.
Narcissus Alba Grandiflora.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
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NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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New England Nurseries, Inc., Bedford,
Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
EILWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordonez Bros., Madison, N. J., Box 105.
Cattleya Mossiae.
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Stuart Low & Co., Bush Hill Park, Enfield,
Middlesex, Eng.
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Largest stock in the country. Ask for
prices. Julius Rochrs, Rutherford, N. J.

Native Orchids. Hugo Kind, Hammon-
ton, N. J.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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Geo. Wittbold Co., 1637 Buckingham Place,
Chicago.
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O. V. Zangen, Hoboken, N. J.
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John Scott, Brooklyn, N. Y.
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PANSY SEED

John Gerard, New Britain, Conn.
Giant Pansy Seed.
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The best Giant Pansy seed. Send for
leaflet. Chas. Frost, Kenilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Rochrs Co., Rutherford, N. J.

PEONIES

Cottage Gardens Co., Inc., Queens, L. I.,
N. Y.
Peonies for Fall Delivery.
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Gilbert H. Wild, Sarcoxie, Mo.
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Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfield, Westpoint, Nebr.

**PHOTOGRAPHS: DESIGNING: IL-
LUS TRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 35 Erie St., Chicago.
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Albert & Davidson, 68-70 Troutman St.,
Brooklyn, N. Y.
Pipes and Boiler Tubes.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Teelless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2
inch. 2c.; Obconica Ronderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

RESURRECTION PLANTS

Write for wholesale prices on resurrec-
tion plants. Native Plant Co., Marathon,
Texas.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, Hoboken, N. J.
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ROSES

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Dingee & Conard Co., West Grove, Pa.
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Poehlmann Bros. Co., Morton Grove, Ill.
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A. N. Pierson, Cromwell, Conn.
White Killarney, My Maryland, Ramblers.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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S. J. Reuter & Son, Westerly, R. I.
Own Root Roses.
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Charles H. Totty, Madison, N. J.
The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Roses, Maids and Richmonds, strong 4
in. stock, \$8.00 per 100. American Beau-
ties, 3 in. pots, \$7.00 per 100; 3½ in. pots,
\$8.00 per 100. Rose Hill Nurseries, New
Rochelle, N. Y.

RUBBER PLANTS

F. I. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Federico C. Varela, Teneriffe, Canary Ids.
Bermuda Onion Seed.
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Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Alice Burpee & Co., Philadelphia.
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Arthur T. Boddington, 342 W. 14th St.,
New York.
Pansy Seed.
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Hjalmar Hartmann & Co.
Langangstraede 20, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
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- R. & J. Farquhar & Co., 6-7 So. Market St., Boston.
Mignonette Seed.
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- H. F. Mitchell Co., 1015 Market St., Phila.
Primula Seed.
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- J. M. Thorburn & Co., 33 Barclay St., N. Y.
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- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
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- Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.
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- E. F. Winterson Co., Chicago.
Seeds for Plantsmen, Nurserymen, Seeds-men.
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- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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- Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SHRUBS

- The George Wittbold Co., 1657 Buckingham Place, Chicago.
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SILKALINE

- John C. Meyer & Co., Boston, Mass.
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S. A. F. TRADE EXHIBIT

- Wm. Murphy, Supt., 311 Main St., Cincinnati, O.
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SMILAX

- Smilax, strong, 2 1/2-in., \$1.50 per 100; \$10.00 per 1000. Cash, please. Ready after July 24. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
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SWEET PEAS

- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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TRAINED FRUIT TREES

- Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.
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VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co., White Marsh, Md.
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- J. C. Schmidt, Bristol, Pa.
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VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- The Advance Co., Richmond, Ind.
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- Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS.

- William Sim, Cliftondale, Mass.
Boston and Princess of Wales Violets.
For page see List of Advertisers.
- Maria Louise Violet plants, well rooted, grown on tile benches, free from disease, selected stock, \$15.00 per 1000. Ready for immediate delivery. J. Vonder Linden, Rhinebeck, N. Y.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
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WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
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- Durand & Marohn, Albany, N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 54 Hawley St., Boston.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street,
LONG ISLAND CITY, N. Y.**
**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
CHICAGO, ILL.**

OIL AS A FUEL FOR STEAM BOILERS.

We have of late years heard a good deal of discussion regarding oil as a fuel under our steam boilers, but notwithstanding the fact that all admit the saving of dollars after installment of oil-burning boilers, the expense of installation deters.

For some time I have collected data and for the benefit of those enterprising florists to whom our grandfather's ways are obsolete I present a rough sketch, showing how to transform a coal burner into an oil burner.

One condition is essential, viz.: that the boiler must withstand a 50-lb. pressure and a hydrostatic test doesn't cost much. When a boiler is quoted

bars are covered with clay three to four inches deep. The steam pressure would also necessitate a water injector and I think the most favorable would be "Penberthey's." To do away with watching day or night there are in the market many automatic devices for regulating oil, water and steam supply, and although they may be expensive at first sight they would save their cost in a short time. As regards draught regulation, it would probably be necessary to cut down the chimney, or put a damper in. Of course, the flues will only need cleaning at rare intervals.

The advantage of oil installation may be summed up as follows: Saving of space—no ashes or coal to handle; abolition of smoke; cleanliness; and an immense saving of labor. But

very large cupped blooms and pointed buds; Wm. Shean, H. T., a deep pink bloom, of an unusually large size and fine form, which received the gold medal of the National Rose Society; Lady Fair, a fine sport of Mrs. W. J. Grant (Belle Siebrecht) which is a great beauty; Paul Lede, one of the best roses of recent introduction, with well-developed flowers in which there is a yellow suffusion apparent in fine sunny weather; the climbing variety of Mrs. W. J. Grant, with very fine striking foliage; Reine Olga von Wurtemberg, a climbing H. P., with rampant, half pendant shoots, the flowers semi-double and of a cerise color; Flora Fairfield, a perpetual flowering Rambler, which has the property of flowering on the lateral shoots.

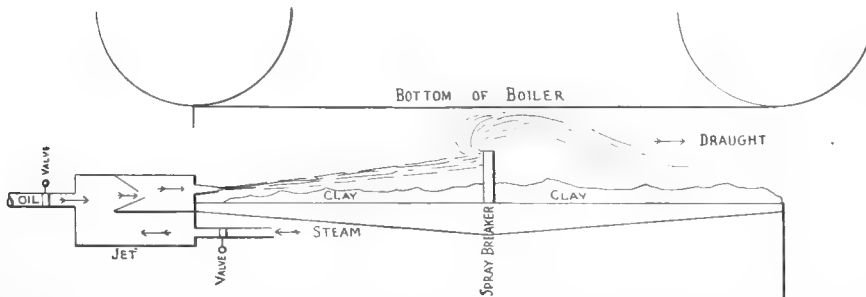
On the occasion of my visit, Messrs. Stuart Low & Co. entertained about 150 of their employees, heads of departments, clerks, etc., at a supper in the village assembly room; and it was most gratifying to note the good feeling existing between employers and employed at this agreeable function, which inaugurated the formation of the new partnership.

FREDERICK MOORE.

CATALOGUES RECEIVED.

W. E. Marshall & Co., New York.—Bulb Catalogue and Illustrated Price List for 1909.

H. F. Michell Co., Philadelphia, Pa.—Summer Catalogue for Florists and Gardeners. Seeds, bulbs and sundries. Forest Nursery and Seed Co., McMinnville, Tenn.—Wholesale trade price list of ornamental trees and shrubs.



at 50-lb. pressure it means that it has been tested to 75 lbs. The price of oil is another consideration. The price of lower grade crude oil varies according to locality and can, in some parts, as for instance Ohio, be obtained for 75c. or \$1.00 a barrel.

To heat a greenhouse plant of say fifteen 25x100 ft. houses one steam boiler 22 H. P., would consume six barrels in 24 hours. The oil tank can (as most of our boilers are underground) be placed on the level, but care must be taken to protect it from contact with fire. Then run a 1-2 inch pipe which should have a valve close to the tank (in case of accidents) down to your "jet." This "jet" is a very simple affair, as can be seen from the sketch, and can be bought cheap. It is important that the nozzle of the jet be as short as possible to prevent the oil from separating before leaving the nozzle. Valves should be put on both steam and oil pipes for the regulation of supply and these valves would be safest about 12 in. from inlet into the jet. The steam pipe, of course, connects in the "dome" of the boiler.

To place the "spray breaker," it will be necessary to test your spray, which is best done with an iron plate. When the position is reached where the spray is most broken, build a fire-brick partition right across the bars, about half-way up. This is to prevent the spray from striking the back wall and leaving the front of the boiler cold. The

most of all to be considered is the constant regular pressure of steam which, with coal fuel, is practically impossible to obtain.

In our present time of competition it behooves every florist to look out for economy, and cutting down the coal bill would mean approximately 7-8 per cent on money invested, as well as per boiler a year for labor, close on \$900—that is, if equipped with automatic regulators. A. PENGEL.

STUART LOW & CO. NURSERY.

The nursery of this eminent English firm is situated at the modern village of Bush Hill Park, a mile or thereabouts from the town of Enfield, and about a dozen miles from London. Fruit trees, roses, etc. grow elegantly on the fairly heavy soil of this section and in the hottest summers never look distressed, or are checked in growth, as is often the case in more easily worked, light or sandy soils. That trees are transplanted from such land with an excellent system of roots, goes without saying. Among the newer varieties of roses noted on a recent visit were Betty, a H. T. of a coppery tint, shaded with yellow, having large petals; Antoine Rivoire, H. T., a very light blush, occasionally flushed with buff, excellent for planting in masses; Leon, a deep blush rose of great vigor; Madame Segond Weber, H. T., a salmon pink rose having a bright centre,

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 9 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " " 5.25	120 7 " " " 4.20
1500 2 1/2 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 1/2 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

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CHICAGO NOTES.

Two Failures.

One of the oldest establishments in Chicago, was closed by order of the Municipal Court July 9th, on action brought by the owners of the building. Chas. Schneider was in business at the corner of Randolph and State when the Central Music Hall occupied that site. When this building was torn down and the ground bought by Marshall Field he went into business on Wabash Ave. Two years ago he went back to State opposite the old location, but rent is very high and his hard struggle came to an end last week.

Many of the wholesale florists in Chicago are heavy losers in the failure of A. G. Lozier of Des Moines, Ia., who are settling with their creditors for five cents on the dollar. They find little satisfaction in the fact that this same company failed once before and are now preparing to start again. At their first failure they settled at ten cents on the dollar.

Personal and Miscellaneous.

C. M. Dickinson is at Pelican Lake, Wis.

Wm. A. Peterson is with his family taking an auto trip through the Northwest.

Mrs. W. E. Horton, bookkeeper for Bassett & Washburn, is spending a two weeks' vacation in Milwaukee.

Benj. E. Gage and bride are expected home next week from a months' auto trip. Their home will be in Evanston.

Visitors: Lyal C. Waterbury, manager for Denver Wholesale Florist Co., Denver Colo; H. A. Fisher, Kalamazoo, Mich.

John Thorpe is not gaining and his condition is very serious. All his children are here and to all appearances the end is not far off.

F. F. Lindsay, president of the Hiawatha Garden Co., of Minneapolis, is spending a few days in Chicago. This company will enlarge extensively next year.

The five bowlers having the highest average to date, July 12th, in the bowling contest are: John Zeck, Allie Zeck, Victor Bergman, Geo. Asmus and T. Yarnell.

Lord & Burnham are now nicely established in their Chicago office and Mr. Sykes reports satisfactory business. They are contemplating an exhibit at the Cincinnati convention.

Phil Schupp is selling June blooms of My Maryland and Mrs. Marshall Field. Though not classed as summer roses and though the plants have bloomed well all winter it is an interesting fact that they are producing excellent results now.

City Forester Prost is in the east visiting the principal cities, making a study of what they have done, and it is expected that he will bring home many valuable hints regarding the work in Chicago. J. P. Pedersen is attending to Mr. Prost's duties during his absence.

MISCELLANEOUS WANTS

WANTED TO BUY—Complete greenhouse plants and all kinds of greenhouse material, to be taken down and removed at once. Terms cash. Address I. Smeerman, 229 Livingston St., Newark, N. J.

WANTED—Second-hand bags and bur-lap, any kind, any quantity, anywhere. Richmond Bag Co., Richmond, Va.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

GOOD MEN

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED—An honest, sober, industrious man who understands the growing of pinks, mums and single violets, principally, for local trade. To call at 40 Columbus St., Newton Highlands, Mass., at once. E. A. M., Newton Highlands, Mass.

SITUATIONS WANTED

GARDENER, 31, married, wants situation. Honest, sober, thoroughly understands the care of gentleman's place, growing flowers, fruits, vegetables and landscaping. Ed. Waither, Millwood, N. Y.

FOR SALE

GREENHOUSE PLANT FOR SALE

Plant can remain on mortgage, consisting of three houses, 32x142, 18x75 and 10x15 respectively, with cold frames and sash. Built by Lord & Burnham Co., steam heated with Burnham boiler. Strictly up-to-date and with every convenience for commercial business. Apply to Norcross & Stratton, with Jones, McDuffee & Stratton, 33 Franklin St., Boston.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail Florist business with good bedding and landscape trade. Will sell cheap for cash, as we are going West. Address R. S. B., care HORTICULTURE, Boston, Mass.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

DISSOLUTION NOTICE

NOTICE IS HEREBY GIVEN that the partnership heretofore subsisting between us, the undersigned Stuart Henry Low and Edward Valentine Low, carrying on business as Nurserymen and Orchid Growers at The Royal Nurseries, Bush Hill Park, Enfield, Middlesex, under the style or firm of Hugh Low & Co., has been dissolved. The said Stuart Henry Low will in future carry on business at Bush Hill Park aforesaid under the style of "Stuart Low & Co." and the said Edward Valentine Low will carry on business at The Orchid Nursery, Vale Bridge, Haywards Heath, Sussex, under the style of "Edward V. Low." All debts due to and owing by the said late firm of Hugh Low & Co. up to and including the 2nd June, 1909, will be received and paid respectively by Frederick Orlando Collier of 15, 16, and 17 Eldon Street, London E. C., Chartered Accountant.

DATED this 15th day of June, 1909.

(Signed) STUART H. LOW.

(Signed) EDWARD V. LOW.

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

PHILADELPHIA NOTES.

Business was very dull up at "the Home of the Palm" at Wyncote one day last week. So "the boss" thought he would take a run into town and look around. He was careful not to step on any cracks in the pavement to spoil the luck. When he got back a man from Washington had been there and left an order for \$1,169.75. Something always happens when one goes away from home! That last statement may be true; but, as Mrs. Sweeney says, if you want something to turn up, you'd better go out with a crowbar and pry it up. The crowbar used by "the boss" the past two years has been liberal advertising in the trade papers. It's not enough to have the goods. You have to tell people. The boss has and does both!

Eva E. Foss, late of the Pennock-Meehan ribbon department, was married July 3rd, to Arthur George Watson Dent, of Collingswood, N. J. The event proved a complete surprise to the lady's fellow-workers in the P. M. establishment—showing that the old adage about a woman being unable to keep a secret is not always true. Bless you, my children! May you live long and prosper!



The Pennock-Meehan Co. are gradually abandoning the fibre vase as a flower holder. Galvanized iron buckets, hand-made, of special construction, and various depths and diameters, are the thing now. These cost twice as much but they will last four times as long. Besides

they are cooler, and flowers keep much better than in the fibre receptacles.

Edward Reid left on a three weeks' southern tour on the 9th inst. Business and pleasure combined.

W. Crawford of Kift's is authority for the statement that the magnolia leaf is destined to supersede the galax in design work, the reason given being greater durability. One can stem magnolias now in the slack season.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

and they will be just as fresh and good six months or a year hence. The cost is a little higher but not enough to have any weight when the advantages are considered.

Harry Woltemate, Jr., son of H. C. Woltemate, Mt. Airy, succeeds G. W. Waterfield on the old Butler place at Chestnut Hill. Mr. Waterfield has joined the forces of Alfred Burton.

Visitors last week: Mr. Nunally, Jr., of the Nunally Co., Atlanta, Ga.; Geo. H. Cooke and G. Milton Thomas, of Washington, D. C.; Mr. Schoenhut, Buffalo, N. Y.; Jno. A. Haines, Bethlehem, Pa.

We regret to report that W. K. Harris has not improved during the past week. A telephone message from Mark Mills, his son-in-law and business manager, indicates that his condition is causing his family grave anxiety.

The transportation committee of the Florists' Club desires to hear at earliest convenience from those wishing to join the Philadelphia party to the convention. The larger the party the lower the fare. Address either Jno. Westcott, E. J. Fancourt, or Arthur Niessen. Non-members of the club from nearby towns will be welcome.

NEWS NOTES.

Mt. Carroll, Ill.—John Lambert of Savanna intends to start in the greenhouse business here.

Chillicothe, Mo.—The large smoke stack of R. M. Isherwood was destroyed in a recent severe gale and will be replaced by one of brick.

It is rumored that a purchaser for Horticultural Hall, Philadelphia, has been secured at a figure not far from \$600,000.

PUBLICATIONS RECEIVED.

"American Medicinal Barks," a bulletin prepared by Miss Alice Henkel, has been issued by the Department of Agriculture at Washington. It is a 60-page pamphlet, with 45 illustrations and contains very much that is interesting and instructive on the topic designated. Botanical and common names, habitat and range, description of tree or shrub and its bark, methods of collecting, prices and uses are given fully in each instance.

The fourth annual report of the "Superintendent for Suppressing the Gypsy and Brown-tail Moths" has been published by the Moth Department of the Massachusetts State Foresters' office. A large number of full-page illustrations are given, particularly interesting among which are those showing the new parasitic enemies of the moths and their methods of feeding on the caterpillars.

"Chrysanthemum Society of America: Proceedings of the Seventh Annual Meeting." This useful little publication gives the record of the meeting at Chicago, Nov. 7, 1908, list of varieties disseminated during the year and other information, fully demonstrating the valuable work this organization is doing and its right to the support of all who grow or sell the Golden Flower. A portrait of President Elmer D. Smith forms the frontispiece.

Which Spray Pump?

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JABER CO.
281-285 Franklin St., Boston

SPRAYED

A DESTRUCTIVE BORER.

Another pestiferous insect has invaded Boston Common and Public Gardens in the form of the Leopard Moth (*Zenzera Aesculi*.) The leopard moth larva penetrates the bark and alburnum, sometimes encircling the latter before pupating. I notice that in many cases pupation takes place at the entrance. The borings are emitted and can be seen at the base of the tree; that is, where the soil is freshened up around the tree. In the Dutch elms another indication of their presence is a small streak of sap emitting from the hole. The trees mostly infested are the sugar maples, ash, oak, American and Dutch elms. The latter are completely invaded, as can be seen along Lafayette Mall, and it is interesting to notice the injury caused by last year's larvae and the concealed methods of the present year. Its presence in a tree does not mean immediate death to the tree, but renders it dangerous to pedestrians where large trees are infested on public highways inasmuch as the limbs are weakened by the borings and by the interruption to the flow of sap.

It is very difficult to exterminate this insect on large trees, owing to its method of concealment; but in the younger trees they are more easily detected if, as I have already said, the soil is freshened around the base, so that the borings may be seen when they fall. The moth is white with black glossy spots, resembling the spots of a leopard, and these same designating marks together with a blackish segment next the head are to be seen on the larvae. Cutting and burning the limbs affected, treating the eggs on the bark of the trees or, where holes are observed, pouring into them some carbon bisulfide, and then plugging the hole with putty, soap, or something of a similar nature, or pushing a piece of strong wire into the hole and thereby killing the larvae are some of the remedies used.

RICHARD J. HAYDEN.

A LEAF MINER

(Coleophora Hemerobiella)

The Imperial Biological Institution for Agriculture and Forestry at Dahlem in reply to the editor of Moller's Deutsche Gartner Zeitung in regard to methods of combating this injurious insect on fruit trees, states that the treatment of the caterpillars by the application of poison, is made exceedingly difficult by the sack-like envelope that protects the creature. Still the spraying with petroleum emulsion mixed in the proportion of 1-9 of water has been proved of great use when applied at the unfolding of the leaves. As the insect as a rule forms burrows in the leaf and leaves the epidermis untouched, excepting at the point of entry, it is only in summer just at the time of the escape of the young caterpillars from the eggs that spraying is of much use. The application of arsenical mixtures for this purpose has to be carried out with a great deal of caution, in view of the dangerous effects of the poison on human beings and animals; and for this reason it cannot be recommended. The young

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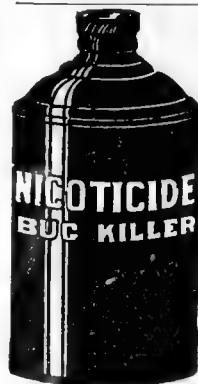
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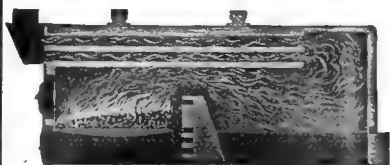
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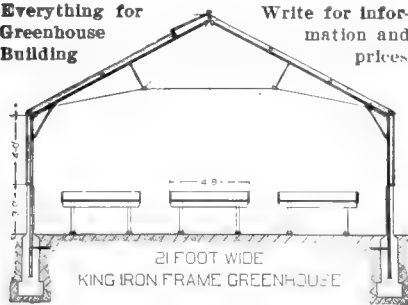
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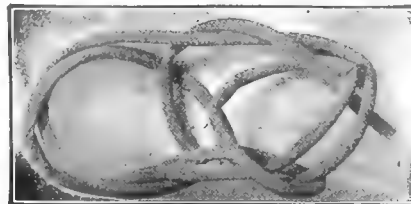
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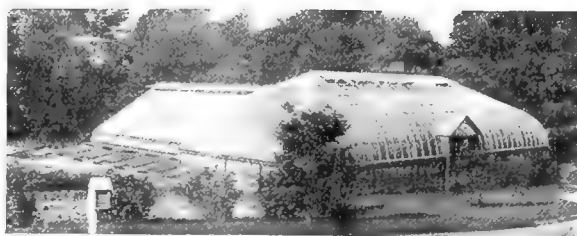
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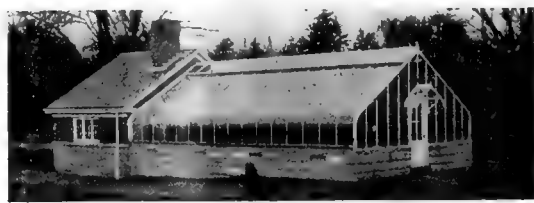
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The Significance of Cookson Formula

The increasing interest shown in this fertilizer by orchid growers and others means much to the student of the soluble fertilizer question. This and similar soluble compounds have been used by them for some years with success and in the only way possible to secure success—little and often or dilute-and-all-the-time—which corresponds exactly with Nature's best conditions although rarely met with.

The accurate control of fertilizer is no less important than that of light, heat or water. These factors of environment, except perhaps light, we may vary at will and we are making daily gains towards exactness in producing results by variation of these factors.

Orchid culture is a half-way house between ordinary soil and the historic "Water Culture" where first, primal questions of fertilizers were put to the test. Orchid roots being surrounded with but little material make a culture possible almost free from the complicated and uncertain factors introduced along with soil. Thus it comes about that when a soluble chemical is applied to orchids—with extreme dilution, remember—it is not changed before it gets to the root to any such extent as might well happen had it come in contact with or in fact been filtered through the soil as commonly occurs. The soil itself has chemical powers to change the character of fertilizers before they can get to the plant's roots.

It is refreshing to see the culture of plants beginning to approach the accuracy necessary in any other manufacturing enterprise. Cookson applied to plant culture the same care in use of chemicals he would have, had it been any other question of chemical technology. He chose a combination of chemicals which have no comparatively useless elements as soda, chlorine or sulphur, but which do contain in reasonable proportions the three elements we hear so much of, nitrogen, phosphoric acid and potash.

To be sure plants need a wee bit of several things which, however, they are extremely likely to get in the ordinary course of events through the water or somehow.

Cookson's Formula has nitrogen in both forms (neither organic) nitric and ammonia as exemplified respectively by the nitric part of nitrate of soda and the ammonia in sulphate of ammonia. It has phosphoric acid in combination with ammonia while the potash is linked with the nitric nitrogen.

The proportion of two parts ammonium phosphate to three of nitrate of potash would show over 12 per cent. nitrogen and double that of both phosphoric acid and potash.

Now what interests the student of chemistry as applied to horticulture is this—how soon are the so-called "practical men" going to swallow this proven theory of "dilute-solutions-only," and act accordingly? Many have done so, the late Dr. Cookson being a distinguished pioneer in this field.

Note the dilution. His formula as used by him gives the proportion in water of one to 80 thousand in the case of nitrogen while with phosphoric acid and potash the ratio is one part to 40 thousand. Many well and pond waters are as strong as this but never with as valuable fertilizers as this. In fact this does not occur in Nature and none but a soluble chemical of chosen constituents could be applied with the ease, accuracy and

extreme but certain dilution obtained with Cookson Formula.

Rudley M. Bray

Boston, Mass.

Some Points in Peony Growing

EFFECT OF SOIL AND CLIMATE

Soil and climate have much to do with these flowers. Location, even in the same neighborhood, plays an important part. Those in a protected position will often bloom profusely, while those exposed will not have a flower.

Just south of our house is a large clump of *Festiva maxima*. At blooming time I counted sixty-five blooms and large flower buds. Not many rods away where the plants of the same variety were exposed to the full sweep of the northwest wind it took three clumps to produce one flower.

There are some sorts which will bloom under all conditions. I note that *Grandiflora Rosea*, *Faust* and *Golden Harvest* always bloom—especially the latter, no matter where it is planted. It is a favorite in Manitoba.

I have just returned from our branch nursery at Paynesville, Minnesota, under the care of Frank Brown. When I visit that place where the peonies always bloom two weeks later than in this locality, I am ashamed of Nebraska. Up there, winter hangs on till spring and the plants escape the late freezes which nip the flowers in the bud. The cooler and moister air gives greater beauty to the bloom. For instance *Humei*, that late cinnamon scented pink, is being discarded in Illinois and Nebraska and other portions of the West as well as in some parts of the East, but up there it is one of the grandest flowers, and almost always carries off the prizes for pinks.

A CURE FOR GOUTY ROOT, THAT TERRIBLE FRENCH DISEASE

Once in awhile we will get caught in our importations. I once got a lot of *Humei Alba* from a Chicago firm. The roots of these disease plants are the most uncanny and repulsive things in the vegetable kingdom—all knotted and gnarled. No fibrous roots and the poor things can only live, and have no vitality for blooming. I once tried lye and made it so strong I killed one hundred roots; but I didn't mind that. Others I planted in slacked lime, that killed some and nearly cured others. By cutting off the diseased parts and planting in fresh soil, which never had been manured, they nearly recovered. I conceived the idea of sending a lot to Mr. Brown of Paynesville. I told Mr. Brown to plant them on the barest knoll without any covering, and see what 40 degrees below zero would do for them. He selected a gravel and clay soil which had never been manured, and last week I dug up some of them to see how they were getting along. The old roots were there as repulsive as ever, but outside of them new ones had been found clean and healthy and full of vigorous little rootlets, making a strong contrast to the old diseased ones, so that disease which has baffled every effort can be remedied by the cold air cure, just as consumption is often cured by a mountain climate.

York, Nebraska.

C. S. Hammon

Water Scenery in the Garden

(See Frontispiece)

AQUATIC PLANTS

First and foremost among plants suitable for cultivation in the water must be placed the hardy nymphæas whose flowers have beautiful shades of yellow, rose, carmine, and blue, like those of some of the tropical species. It is to M. Latour-Marliac, of Temple-sur-Lot, in France, that the merit is due of imparting these tints and graceful shapes to the hardy and more vigorous species of the temperate parts of the globe. With these new additions aquatic gardening bids fair to become a great feature in gardens furnished with suitable areas of water of the necessary depth, namely 1 1/2 to 3 feet. The planting may be performed in the months of May and June. The soil should be strong loam of good quality, slightly enriched with decayed ox dung, and placed in slight hillocks or in wire or willow hampers, and covered with a thin layer of small stones, in order to avoid its washing away, if there should be a current in the lake. I would recommend the following species and varieties: *Nymphæas Marliacea albida*, a fragrant, pearly white flower; *M. carnea*, of a pale flesh tint, with yellow stamens like the preceding; *M. chromatella*, straw color with orange stamens, fragrant, and a continuous flowerer during summer and autumn. Then there are *N. Marliacea flammea* with reddish purple flowers, *N. M. ignea*, deep crimson, *N. M. rubropunctata*, reddish mauve, the petals tipped with carmine. Another section consists of the *Laydekeri* varieties, viz., *N. L. fulgens*, deep crimson flushed with orange; *N. L. lilacina*, pale rose color; *N. L. prolifera*, pure rose; *N. L. purpurata*, bright rose-carmine with stamens of orange red; and *N. L. rosea*, pink tint, changing to rose pink as it ages. Of the British species *N. alba* there are two forms differing from the type, viz., *plenissima*, whose flowers are fuller, and pure white; and *rosea*, a rather rare, rose pink variety. *N. odorata* is the deliciously scented pure white North American water lily. There are several varieties of this fine lily, of which mention may be made of *Exquisita*, with rosy carmine flowers; *Gigantea*, whose flowers are white and many petalled; *Luciana*, with deep rose pink flowers; *rubra*, cup-shaped blooms of pink; *Paul Hariot*, *Seignouretii*, *Richardsonii*, a strong growing form of *N. tuberosa*, having white blooms thrown high above the surface of the water; and *N. Falconeri* with blooms of bright red, having a tinge of lake, and reddish leaves when young, but changing with age to green, the veins only remaining reddish.

To afford variety of form and color the following species may be planted in lakes of any extent, provided the water is of moderate depth; it being borne in mind that depths exceeding 5 feet in the summer season are unfavorable to growth. *Acorus calamus*, *Aponogeton distachyon*, *Butomus unbellatus*, *Caltha palustris* and its double flowered variety, *Cyperus alternifolius*, *Iris Pseudo-acorus*, *Menyanthes trifoliata*, *Polygonum amphibium*, *Sagittaria Japonica fl. pl.*, *Stratiotes aloides*, *Vallisneria spiralis*, etc. For these and indeed all aquatic plants, suitable sites near the banks should be chosen, and soil laid, and weighted down with a few flat stones,

and the richer the soil in reason the better the future growth will be. It may here be stated that some water lilies—especially native species—but more rarely hybrids, grow in course of time, with such luxuriance as to crowd out all other plants. This evil is much to be feared when species of reeds are planted in any quantity.

The smaller growing water lilies have a good effect when planted in such small basins as are found in the garden near to the house, which seldom exceed 30 feet in diameter, and in such receptacles there is no necessity to endeavor to heighten the effect by planting many of them. More agreeable are the impressions afforded by the formation of receptacles for plants in the outer wall of the basin and extending these outwards two or three feet. This kind of addition is easy of accomplishment at the time the basin is built, as well as subsequently. In these receptacles may be planted *Cannas*, small growing *Arundinaria* (Bamboos), *Bambusa palmata*, *Carex Japonica*, *Eulalia Japonica* and its varieties; *Funkia grandiflora*, *Gyncrium argenteum*, *Iris Kaempferi*, *I. ochroleuca*, *Osmunda regalis*, *Spiræa aruncus*, etc. The same species may likewise find a place on the shores or banks of large pieces of water; either singly or better still as clumps not too closely planted together. When placed around a basin, a few flowers should be added to afford coloring and contrasts, and to fall over the edges of the masonry. In such positions as this the following species may be put to effective uses, in the warmer months. *Fuchsias*, *Gladioli* of species, *Iris* of many kinds, *Montbretias*, *Ixias*, *Tigridias*, *Lilies*, tuberous rooted *Begonias*, *Incarvillea Delavayi*, *Myosotis*, *Lobelia erinus* in variety, *L. cardinalis*, *Clematis aethusifolia*, flowering in September and October; *C. coccinea* Countess of Onslow, Duchess of Albany, Duchess of York, Grace Darling and Sir Trevor Lawrence—five of the progeny of the American species *C. coccinea* crossed with the Star of India an old hybrid. The plants are hardy and free flowering. Any of the annual summer climbing plants as *Lophospermum*, *Maurandya*, etc., may be planted at the margins.

Fredrick Moore

British Horticulture

THE "WHITE CITY" GARDENS

The wet, unsettled weather which has characterized the early part of the summer has not been very favorable to the Imperial International Exhibition which is being held at the "Great White City" at Shepherd's Bush. In spite of the climatic shortcomings the gardens, which form a large portion of the city's 150 acres, have presented a very bright and attractive aspect. By the art of the landscape gardener what was at one time an unsightly piece of waste ground has been completely transformed. The effectiveness of the design has been enhanced by the formation of a number of lagoons, with grassy banks and islands. A specially made mower, with an unusually long handle is employed to keep the grass in order. The lawns, most of which have been produced from grass seed, have materially improved as the result of another year's growth, and their splendid appearance has been the subject of general admiration. This year the Exhibition authorities have laid out a sub-

stantial sum of money in the preparation of the beds in the central part—the Court of Arts. Many thousands of pelargoniums have made a brilliant display, the varieties chiefly used being Paul Crampel, Jacoby, Denmark, Raspail, etc. Nothing very original, however, in the way of design has been attempted, the object apparently being to furnish an abundance of gay parterres. For originality we must evidently wait for next year, when the enterprising Japs are coming over to the "White City"—in order to demonstrate to Westerners the advance they have made in arts, sciences, and inventions.

SOME TRADE EXHIBITS

A popular feature in the gardens last month was the grand display of rhododendrons made by Messrs. Waterer and Sons, of the American Nurseries, Bagshot, who worthily upheld the high reputation they have attained in this special line. In the Elite Gardens, which are bordered by artistically designed buildings, there is a meritorious array of roses planted by G. Paul and Son. Polyanthas, such as Lady Gay, Godiva, Goldfinch, and Waltham Bride, occupy prominent positions in the various beds, surrounded by a fine selection of the leading varieties of the "Queen of flowers." Close at hand Messrs. Lane and Sons make an excellent show with some well arranged dwarf conifers and ornamental shrubs. A similar display is made by the Harrow Nursery Co. Kelway and Sons make a special feature of pyrethrums, peonies and gaillardias. An interesting collection of begonias from the nursery of John Laing and Sons is seen in the beds fronting the garden club. A batch of dahlias planted by Toogood and Sons are making satisfactory progress, the varieties including Daisy, Bruce, Gazelle, Hyacinth, Victoria, Mercury, Rev. D. R. Williamson and Harold Peerman. Contrary to expectations, it is not intended to hold any flower shows at the exhibition this season. Last year some attractive shows were held, at which the leading members of the nursery trade in Britain and France were well represented, and the proceedings were of an international character. Possibly all efforts in this direction are being kept in reserve for next year, when the exhibition is to receive the official support of the Japanese Government.

SOME NEW ROSES

At the National Rose Society's show on July 2nd, some choice novelties were to be seen. As usual, the Irish firms were well to the fore in this direction. In the class for new roses offered by the trade for the first time in 1906, Messrs. Hugh Dickson, of Belfast, were first. Their exhibits included Miss Cynthia Ford (salmon pink), W. R. Smith (creamy white), and the Lyon rose. In the seedling competition, the same firm secured a gold medal for Countess of Shaftesbury. This is of a rich cerise pink hue, with an outer shading of silvery pink. Lady Pirrie was also another gold medal seedling, this being similar in tint to the Lyon rose (coral red, tinted chrome yellow). Muriel Johnson, of an apricot shade, received a card of commendation. Other seedlings shown were Mrs. Herbert Stevens, creamy white; Thelma, a single flowered Wichuraiana of a deep red color; Climbing Lady Ashtown, deep pink; Monaghan, a rich crimson single. The championship in the nursery classes this year was carried off by A. Dickson & Sons, Newtownards, Ireland. In the trade section a silver medal was awarded to the following varieties as being the best of their class in the show: A. K. Williams, H. P., shown by A. Dickson & Sons; Mdme. Melaine Soupert, H. T., shown by S. McGreevy

& Sons, Portadown, Ireland; Mrs. Edward Mawley, T., shown by H. Drew, of Oxford. The quality of the exhibits was not up to the usual standard, the unfavorable weather having had a prejudicial effect on the blooms.

W. H. Gidsett.

Notes from the Arnold Arboretum

Among the new Chinese plants there are many beautiful climbing shrubs and some of them with strikingly variegated leaves such as we see in some stove plants as *Cissus discolor* and others, but not in any of our hardy vines. One of the most noteworthy is *Pseuder Henryana* (*Vitis Henryana*) which very closely resembles in shape of its foliage our native Virginia Creeper and possesses like that species and the Boston Ivy the property to cling to walls and trees with disk-bearing tendrils. Its leaves are in shape exactly like those of the Virginia Creeper, but are bright purple when unfolding, turning later to purple and finally into ruddy bronze, on their upper side, with beautiful silvery marking along the midrib and partly along the veins, while the under side keeps the purple color. The hardiness of this vine has not yet been tried here, but in England it is considered hardy and it is even said to be quite hardy in northern Germany, so that we may hope it will be fairly hardy here. It will certainly rank among the horticulturally most valuable new plants from China.

There are also several new Chinese *Clematis* with prettily variegated foliage, but we know as yet very little about their correct names, as they have not yet flowered, and nothing about their hardiness.

Another new vine with beautiful foliage is *Actinidia chinensis*. Of this genus we already possess two species, viz., *A. Kolomikta* and *A. polygama* of which, particularly in the staminate plant, the foliage is strikingly colored, their leaves assuming partly a silvery white color, in the first species tinged with pink. In *Actinidia chinensis* the foliage is very handsome in a young state when the leaves are densely covered like the stems with bright red hairs, later the upper side becomes almost glabrous and dull green and the under side is covered with a grayish white pubescence; in outline they are almost round and measure four to five inches in diameter. The flowers which appear at the base of the young shoots and on short branchlets of last year's growth are cup-shaped, nearly one and a half inch broad and bright yellow and followed by edible fruits about the size of walnuts with a flavor resembling ripe gooseberries. It is to be regretted that at the Arboretum this species has not proved hardy, having been killed to the ground during the winter, but vigorous young shoots have sprung up again from the base and show the beautiful foliage. Another *Actinidia* from China not yet named has the young leaves purplish and beautifully marked almost like those of *Cissus discolor* which they also resemble in shape. It has not yet been tried in regard to its hardiness.

Alfred Rehder.

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John Thorpe "Uncle John" as many affectionately called him—has joined as we knew him the great majority. Nevermore shall we see his well-known figure in the flower exhibition halls or listen to his shrewd counsel and sanguine forecast of the future triumphs of his favorites. Flower shows were John Thorpe's centre of gravity and when one was within his reach he fairly haunted it from beginning to close with an idolizing

devotion which knew neither hunger nor fatigue. Contrary to the rule with most men when past the meridian of life, retrospect and reminiscence had very little part in John Thorpe's make-up. He was forever looking to the future rather than to the past and no adverse conditions or discouragement could down this optimistic trait which enabled him to view with imperturbable serenity emergencies and consequences which would utterly disconcert an ordinary man.

Who could help loving John Thorpe? In forming a just estimate of the man the scale of points applicable in judging the rest of humanity is almost valueless. In things small or great he was original and inimitable always. In matters horticultural he was an enthusiast and a genius. In his contact with his fellowman a rare magnetic influence was his and all who came under its radiance, whatever their social or intellectual position in life, became oblivious to all those external marks by which we are all too ready to measure one another and, greedily drinking in the inspiration of his buoyant enthusiasm and captivated by the intensity of his love for everything connected with plants and flowers, perceived only the lustre of his great mind, the sway of his choice and master spirit which no privation could conquer.

"Were I so tall to reach the pole,
Or grasp the ocean with my span,
I must be measured by my soul:
The mind's the standard of the man."

Rest in peace, dear old John Thorpe! In American horticulture your memory will be forever green.

The Rural New Yorker's "set to" with Luther Burbank over the identity of his "Wonderberry" will be watched with keen interest by the horticultural world.

The horticultural trade as a whole glories in the achievements of its geniuses and always has done so. It respects and honors the man who gives us a Seckel pear, a Concord grape, an Early Rose potato, a Maryland rose, or an Enchantress carnation. It has a right to resent and unhesitatingly condemn anything that savors of faking or deception, or in any way tends to bring dishonor and humiliation to the profession. For a quarter of a century the Society of American Florists has raised its voice repeatedly in favor of the highest standard of ethics and morality in such matters, and today the trade insists upon and the public demand a clean bill with whatever is pushed forward as a sensational novelty. On Saturday, July 17, 1909, "Luther Burbank's Wonderberry," in plant form and fruit, was displayed upon the exhibition tables of the Massachusetts Horticultural Society, marked "Worthless," and this fact was duly proclaimed in the Boston dailies, together with a statement of the poisoning of two Italians who had eaten of the fruit. The public have been so industriously drilled into the idea of the wizard's marvelous powers that in the popular frame of mind up to date it will buy anything bearing Burbank's name, so it is desirable that the true character of such introductions, untested except possibly for a short time in California, should be ascertained and given the widest publicity. HORTICULTURE has no bias in the present instance, our only desire being to see Truth prevail and now that the bout is started we hope the light will be fully turned on and the matter thoroughly sifted until facts either vindicating Mr. Burbank or justifying the Rural New Yorker are conclusively shown. From what we know of Editor Collingwood's ways we have no doubt he'll hang on all right and there's plenty of fun ahead, if we are not greatly mistaken.

TWO NEW CLIMBING ROSES.

We have pleasure in presenting illustrations of two new climbing roses, Dr. W. Van Fleet and Silver Moon. Messrs. Peter Henderson & Co., the introducers, write as follows: "These varieties will, we believe, mark an epoch in hardy climbing roses. The first is now in its ninth year and has stood the winters at Little Silver, N. J., without injury. The second is in its fourth year and has also stood the winters there perfectly. We append descriptions.

"Dr. W. Van Fleet (Sourv. de Pres Carrot x Rosa Wichuraiana). The open flowers run four inches and over in diameter, center built high, petals beautifully undulated and cupped. The color is a remarkably delicate shade of flesh pink on the outer surface, deepening to rosy flesh in the center. Flowers full and double, buds pointed, stems 12 to 18 inches and fine for cutting; delicate perfume. The foliage is a peculiar shade of bronze green, large and glossy, spines a bright bronze red. A vigorous grower and immune from mildew.

"Silver Moon (Rosa Wichuraiana x Rosa Sinica or Cherokee Rose). This is a most interesting cross. The flowers run four and one-half inches and over in diameter, clear silvery white in color, petals of great substance and beautifully cupped. The center is filled with bright yellow stamens, a very attractive feature. It is very floriferous, the plants literally covering themselves with the great clematis-like flowers. They are borne on strong stems, twelve to eighteen inches long and are delicately fragrant. The foliage is large and abundant, a pleasing shade of bronze-green and glossy. Vig-



NEW ROSE SILVER MOON

orous grower and immune from mildew."

Both these roses were awarded a silver medal at the rose show in New York, 1908, by the Horticultural Society of New York. They will be offered for sale in 1910.



ROSES W. VAN FLEET AND MAY QUEEN

WASHINGTON (D. C.) NOTES.

A severe wind and rain storm visited portions of the District of Columbia on July 16, and more than 500 fine shade trees were victims to its fury.

Much interest is being aroused in the second automobile flower parade, which will be held here about September 30th. The Chamber of Commerce is getting it up and it is thought that there will be a great many more entries than in the last one. It is proposed to have the cars decorated with natural autumn flowers.

NEWS NOTES.

A white sport from Dorothy Perkins' rose has appeared and promises to be one of the bright novelties of the near future.

The diminutive cactus plants in 1-in. pots advertised as "Cobweb plants" in our Buyers' Directory ought to sell by the hundred thousand at the pleasure resorts this season.

The Boston Journal has set aside July 27 as Flower Day. Receiving stations will be arranged at the terminals of the Elevated and steam railroads for flowers brought in by suburbanites, and these will be open until noon. The donations will be distributed as rapidly as possible among the children in the poorer sections of the city.

Obituary.

John Thorpe.

John Thorpe, father of the Society of American Florists and its first president, Chief of Floriculture at the World's Columbian Exposition and one of the best informed plantmen in America, died at his home in Chicago on Thursday, July 15.

Mr. Thorpe was born at Keyham, Leicestershire, England, April 3, 1841, and came of a family of horticulturists. At the age of 11 he was apprenticed to his uncle. After serving his term he took charge of the large estate of his cousin John Turner of Little Thorpe and while there was married in 1862 to Miss Clara Soar on Christmas day. He then went to Bristol and became a market gardener. In 1868 he moved his business to Stratford-on-Avon, and controlled extensive nurseries. In 1874, wishing a wider field for his labors, he came to America to take charge of Gordon park, Cleveland, O. He moved to Queens, L. I., where he became a partner in the firm of V. H. Hallock, Son & Thorpe. In 1888 he went to Pearl River, N. Y., in business for himself. In 1891 he was appointed Chief of Floriculture at Chicago and since that time has been a resident of Chicago. Four children and seven grandchildren survive him.

John Thorpe had a profound knowledge of plant physiology, was blessed with an inborn love for the beautiful, had keen perceptive faculties and followed up his work with patient industry, all of which qualifications brought forth good fruit as a result of his efforts in cross-fertilization while at Cleveland, Queens and Pearl River. His special subjects were zonal pelargoniums, gladioli, carnations and chrysanthemums. At one time the firm of Hallock, Son & Thorpe may be said to have ranked first in the country in the origination of new varieties of the above-named subjects and there was scarcely a catalogue in either America or Europe that did not list some of their productions.

During the period between 1881 and 1889, Mr. Thorpe introduced to the trade between twenty-five and thirty carnations under name. Practically all of these have shared the fate of all other introductions of that time, but they surpassed any that had been produced up to that time and it is only necessary to mention Portia and Mrs. Ferdinand Mangold to show the position some of these attained in the trade. In the years immediately following, his work in fertilization was concentrated on the chrysanthemum of which he was, up to 1892, one of the ablest advocates. Many of his seedlings were of advanced type and at one exhibition of the New York Horticultural Society (1884), Mr. Thorpe received 24 first-class certificates of merit for an equal number of distinct varieties of chrysanthemums.

The appointment to the position of Chief of Floriculture at the World's Fair marked the close of Mr. Thorpe's activities in hybridization and plant improvement. During the excitement and turmoil of that memorable time he was "Uncle John" to everybody and became a character of almost national

celebrity. Within the past four years contributions from his pen have appeared in HORTICULTURE from time to time, all giving evidence that his love for the avocation in which the best years of his life had been spent had not grown cold.

John Thorpe repeatedly asserted that at Cleveland, six or seven years before the S. A. F. was organized, he had advocated the forming of such a body. That he was recognized as justly entitled to a large share of the credit for the inception of the idea which took practical form at a meeting in the Sherman House, Chicago, in 1884, is indicated in the following extract from the report of the committee on final resolutions at the Philadelphia Convention in 1886, signed by Peter Henderson, John H. Taylor and Wm. J. Stewart:

Resolved, That, knowing that the Society of American Florists, now a solid success, was the inception of its retiring president—Mr. John Thorpe—who, in despite of great opposition from many members of the Nurserymen's and Seedsmen's Association, determinedly sowed the seed



JOHN THORPE

that has now become such a fruitful tree, he deserves in the highest degree our most hearty thanks, for the time so generously given, and the great ability so markedly displayed in bringing the work to such a high measure of success.

An insight into Mr. Thorpe's heart may be gained by a perusal of the following extract from his opening address as president before the Society of American Florists at its first Convention in Cincinnati, 1885:

"Of all the beauties there are to be found in nature, flowers stand pre-eminently first. They evidently are intended by the Creator to be companions of the human family. The man or woman is not born who does not inherently love flowers. It is only those who have unfortunately been denied the opportunity of ever seeing flowers that do not love them.

"Florists are among the best educators in the country. They teach by example, as well as precept, all that is good and true; they will mould the character of generations to come; they help those afflicted with sickness, and make the long hours of pain more endurable. They teach also that with even all the buffeting of life, there is really something worth living for, and that, withal, the beauties of nature are ever truthful, full of inspiration, and prompt us all to do that which is right."

For a few lines on John Thorpe as

we knew him see editorial on page 104 of this issue.

C. W. Smith.

Charles W. Smith, traveling salesman for the past twelve years for the Leonard Seed Co., Chicago, while swimming in the rear of the Chicago Beach Hotel on July 18 was drowned in full view of crowds of people, and at this writing his body had not been recovered.

Mr. Smith had just returned from a business trip and intended to start out again at once. With his brother Albert he was spending the morning at the lake front. He had been in the water but a few minutes and it is thought cramps must have seized him. To his many friends in the trade this will come as a great shock. Mr. Smith was 33 years old and unmarried.

Herbert Heller.

Herbert Heller died at his home in New Castle, Ind., on July 9 in his thirty-ninth year. His name has become familiar to the trade through his success as a rose grower, and as an exhibitor at the large flower shows his firm, The South Park Floral Co., has secured many prizes. Mr. Heller was a genial, whole-souled man; he was a member of the S. A. F. and numerous other trade societies. A wife and infant son constituted his immediate family. A brother, Myer, was associated with him in the business which will be continued.

Otto C. Lenz.

Otto C. Lenz, a native of Germany, died at his home in Providence, R. I., on July 10. For the past twenty-five years he has been devoted to horticulture and his large greenhouse contained many rare specimens. A widow, three sons and five daughters survive him.

NEWS NOTES.

Albany, N. Y.—John J. Berberick, florist, is increasing his floor space and will have two large show windows.

Rochdale, Mass.—The Maple Ridge Greenhouses are being thoroughly remodeled to meet the extended business which the proprietors are arranging for.

Denver, Col.—The Denver Wholesale Florists' Co. will open a wholesale cut flower commission and supply business at 1433 and 1435 California street on Sept. 1.

New York.—Charles Millang, the wholesale florist, will hereafter be located only at 55 and 57 West 26th street, having discontinued his store at 444 Sixth avenue.

Bar Harbor, Me.—Among the many improvements at the Mt. Desert Nurseries is the installation of an automatic sprinkling system, which will include about 12,000 feet of pipe when completed.

Lockport, N. Y.—D. McCarthy & Son have completed their new rose house and are about through with planting. This is their first attempt at rose growing. This firm has produced some of the finest stock of carnations in the past few years.

NEWS OF THE CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual sweet pea exhibition at Boston, always a beautiful and popular show took place on Saturday and Sunday, July 17 and 18 and was in all respects a worthy successor to the many fine displays recorded in previous years.

The sweet peas occupied a goodly proportion of the hall space and were in quantity and quality well worth a long journey to inspect. The "Spencer" sensations were all there and the exhibitors, as a rule, deserved credit for their admirable arrangement of colors.

Among the leading exhibitors were Giraud Foster, gardener Ed. Jenkins, whose flowers were superb in size and finish and to whom honorable mention was given for Mrs. George Higginson, Jr., lavender, and Countess of Northbrook, pink; Mrs. F. S. Dehue; T. D. Hatfield, all Spencers; W. J. Clemens; W. A. Riggs, beautifully arranged with long stems and sprays of foliage; Francis Skinner, brilliant colored varieties predominating; Morton F. Plant, a very extensive collection; Langwater Gardens, 12 large vases; Wm. Whitman, 100 vases, unnamed, mixed.

No description can do full justice to the extensive array of summer garden flowers, arranged with consummate taste with rock border and clumps of osmundas and other wild ferns, from R. & J. Farquhar & Co. From the same exhibitors came two immense groups of Japan iris in glorious profusion and a display of amaryllis grown outdoors. The Bellevue Nurseries also staged a rich collection of hardy herbaceous material as did also Old Town Nurseries and F. J. Rea.

Mrs. J. L. Gardner was represented by some elegant specialties among which *Francoa ramosa* stood forth as a suggestion for general use as a florists' flower. Its graceful sprays of pretty white flowers should appeal to every artistic flower worker. The new *Hydrangea arborescens grandiflora* was shown by Mrs. E. M. Gill and F. J. Rea. Wm. Riggs got honorable mention for a superb seedling delphinium colossal in size of flower spike and dazzling in its tints of purple and blue. *Browallia speciosa* major from Walter Hunnewell attracted attention as a lovely pot plant.

The vegetables and fruit were simply gilt-edged. A silver medal went to Thos. E. Proctor, gardener James Marlborough, for a display of fruit grown under glass including figs, peaches, nectarines, apples, pears and plums, part of the exhibit being shown growing on little trees in 12 in. pots. "Wonderberry," the reputed child of Luther Burbank and protege of John Lewis Childs, was shown in plant form and basket of fruit, labelled "Appears to be identical with *Solanum nigrum*—Worthless."

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Rose.

Mr. Wilmer W. Hoopes, of Hoopes Bros. & Thomas Company, West Chester, Pa., offers for registration the following rose:

Name—"Climbing American Beauty."

Parentage—An unnamed seedling crossed by American Beauty.

Growth—Of strong climbing habit, making shoots of 10 to 12 feet in a season. The foliage is a rich dark green, free of mildew or black spot. Color and form of flower is similar to its pollen parent, American Beauty, 4 to 5 inches in diameter. It blooms very profusely in June and occasionally all during the summer. The plant is hardy, having withstood a temperature of 5 degrees below zero without injuring even the tips of the shoots.

The application for this registration having been submitted to the American Rose Society and not having been objected to by them, the registration is completed under the rules of this society. W. N. RUDD, Secretary.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The picnic of this association took place on July 15 at Big Island on Lake Minnetonka. The day was ideal; the two-hours' boat ride was especially enjoyed; nearly five hundred people were in attendance, and the program was carried out to the satisfaction of everybody. In the ladies' race, Anna Michaelson was 1st, Bernice Cole 2nd, Agnes Anderson 3rd. In the men's race, J. White, Harry Slater and Harry Dysinger, won in order named. In the tug of war St. Paul won the box of cigars; they also won in the ball game, seven innings were played, score 12 to 10. Helen Grelley was the prize-winning lady waltzer; H. E. Geyer won the gentlemen's prize. The children had their share of the sports and enjoyed them to the limit, boys', girls' and children's races being listed. The bowling is booked for July 23 at Pfister's alleys, St. Paul, the contest to be in individual teams and ladies' bowling.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the society was held at Pembroke Hall, Glen Cove, on July 14, with a good attendance. President Everett occupied the chair. The secretary read several communications offering special prizes for the Fall Show. Judges for the month were Messrs. Johnston, Duthrie and Garrett. Awards in the points competition were: V. Cleres, 85, for vase of poppies; P. Reul, 82, for sweet peas; H. Gaut, 78 1-4, for antirrhinums; G. Wilson, 75, for fuchsias. G. Wilson, P. Reul and G. Ashworth were each awarded a cultural certificate for sweet peas. J. Brombosky for *Platycodon* and *Stokesia cyanea*, V. Cleres for sweet peas, and S. J. Trepas for cucumbers received honorable mention.

The society will join the Tarrytown Horticultural Society on their outing to Rye Beach on August 11.

WM. MACKENZIE, Sec.

JOINT MEETING AT NEW ORLEANS.

Southern Florists' Association Disbands.

The Southern Florists' Association was disbanded at the annual meeting held on July 15 in the clubhouse at Milneburg, over the wind-swept waters of Lake Pontchartrain. The end came after a long but futile fight to stimulate interest among florists of the South. A number of members of the association joined the ranks of the New Orleans Horticultural Society.

The association was organized a little more than four years ago, and for a time the florists of the South took an active interest in its affairs. In the past two years interest has been found lacking.

From the failure of the Florists' Association the New Orleans Horticultural Society gains strength. The meeting of the Southern Florists and the Horticultural Society were held at the same time and place.

The session of the Horticultural Society was fraught with interest. The principal event was the election of officers to serve during the coming year. The following officers were elected: A. Alost, president; Herman Doescher, vice-president; C. R. Panter, secretary, and John Eblen, treasurer. Richard Eichling, one of the popular members of the society, was nominated for the vice-presidency, but he declined, and retired in favor of Mr. Doescher. Secretary Panter, who was re-elected, will enter upon his sixth term. He has done a great deal in the interest of the association, and the members are wideawake to his value as an officer. J. Eblen has served in the capacity of treasurer for twenty-four years, and has never been found wanting. He is also numbered among those active members who are always doing something for the society.

There were a number of interesting reports read by the officers, showing that the society is enjoying success and that its treasury is in a healthy condition.

After the meeting adjourned the members of both societies marched to Moreau's restaurant, near the end of the long pier, where a sumptuous fish dinner was awaiting them. The spirit of conviviality predominated. There were bright speeches by the retiring officers and some of the invited guests. The officers elected at the meeting were also heard from. There were other short talks and stories by Ed Baker, J. A. Newsham, Richard Steckler, C. W. Eichling, Charles Eble, H. Papworth. On behalf of the retiring officers, H. Sherman made a brief address.

The outing was one of the most successful ever given by the society. The committee was composed of Messrs. C. R. Panter, chairman; Henry Cook and Paul Abele.

Quite a delegation from this society will be in attendance at the Cincinnati convention of the S. A. F.

ROYAL HORTICULTURAL SOCIETY.

The summer horticultural show of the R. H. S. which took place on July 6 and 7 was as usual well attended by private cultivators of plants and by the principal nurserymen of the southern parts of England and a few from Ireland and Scotland. The visitors were numerous and the exhibits exceedingly interesting to horticulturists of all grades. It is my purpose in the present letter to briefly touch upon the novelties observed among the plants and cut flowers, these being always of the most interest to people at a distance. Taking those shown from Scotland first, I would direct attention to fine varieties of pentstemons, derived from *P. gentianoides*, a Mexican species, hybridized, according to some authors, with *P. Cobaea* and *P. Hartwegii*. The flowers of the best varieties excel the *gesneras* in the brilliancy of their colors and freedom of flowering. Mr. J. Forbes, who for many years has paid attention to the raising of new varieties, showed over 100 varieties.

Orchids were shown as plants in very large numbers. Messrs. Stuart Low & Co., Bush Hill Park Nursery, Enfield, exhibited *Cattleya Schilleriana*; *C. Hardyana*, with a lip of a beautiful purple color striped with orange; the other parts of the flower of a rosy buff tint; *C. Mollis*, a cross of *C. Gaskelliana* and *C. superbiens*; *Cattleya Canhamiana alba*; *Laelio-Cattleya Lustre*, a cross between a variety of *C. speciosissima* and *L. Callistoglossa*; *L. C. fulvescens*, a cross between *Laelia Forbesii* and *C. aurea*, a striking flower having a large conspicuous lip. From the gardens of Mr. Menteith Ogilvie came, besides many other superb orchids, some new *Odontodas*, viz.: *Charlesworth* and *Bradshawia*; *Odontoglossum Pescatoris* var. *luteum*, having lemon colored blooms on short spikes, the former spotted with crimson at the back. F. Sander & Sons, St. Albans, showed *Cattleya Mossiae Reineckiana amabile*, a flower having sepals, petals and exterior of the tube white, and lip of a rich color streaked with orange and purple; *Cattleya Mrs. Myra Peeters*, a cross between *C. Gaskelliana alba* and *C. Warneri alba*; the flower pure white, excepting the lower half of the throat, which is pale yellow. *Laelio-Cattleya Martinetii* possesses sepals and petals of buff tinted crimson; lip and tube purple. A variety of the above named, "The Prince" is a higher colored flower. A first-class certificate was awarded this variety. Messrs. Sander showed a *Cypripedium gigas* Corndean variety, with immensely large blooms and petals $2\frac{1}{2}$ feet in height; and a plant *Aerides Houletiana*, a white and lemon yellow bloom, the sole representative shown of a once favorite species. Messrs. Charlesworth & Co. were the exhibitors of a bigeneric hybrid-Miltoniada *Harwoodii*, the result of a cross of *Miltonia vexillaria* with *Cochlidia Noezliana*. The plant carried one flower about two inches in length, and having sepals and petals of a cherry-red tint and a lip bearing resemblance to that of a *Miltonia cuneata*, milk white, with pink markings.

Messrs. Wm. Paul & Son, Stuart Low & Co., Hobbies, Ltd., and the Dicksons were all represented by

RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, Ltd.

AMERICAN NURSERY

BAGSHOT

ENGLAND

Box Trees

large groups of roses. Carnations of both sections were finely shown by J. Veitch & Sons.

Sweet peas were plentifully exhibited. The novelties most noticeable for coloring and size were of the Spencer type shown by Messrs. Jarman & Co., particularly the varieties Mrs. Townsend, a flower of a white ground, with violet edges; Ida Townsend, large, deep mauve; Mildred Townsend, an improved America; and Mrs. Cawthorn, very large flowers of a pale blush tint. Mr. Chaplin of the Joynings Nursery showed blooms of a pure yellow sweet pea, not yet in commerce.

Messrs. J. Veitch & Sons showed their tuberous rooted *Begonia Washington*, a variety of neat, compact growth, having trusses of bright scarlet blooms. $2\frac{1}{2}$ inches in diameter, very double and abundantly produced. This firm likewise showed bedding *Pelargonium Snow Queen*, a dwarf-growing variety with trusses of white blooms and white variegated leaves, and an acquisition for either outdoor or indoor decoration. The firm showed a large number of the new improved strain of *gloxineas* with a half-drooping pose in the blooms, and some standard fuchsias with straight stems about 4 ft. in height and umbrella-shaped heads covered with flowers.

Messrs. Blackmore & Langden made splendid show of tuberous rooted *Begonias* with large frilled, single and semi-double flowers, which have great decorative value for greenhouse work. Perennial herbaceous *Delphiniums* with white and lemon colored flowers, a new departure, were shown by Messrs. G. Bunyard & Co. *Ampelopsis Lowii*, a creeper, the foliage of which in the autumn has pretty coloring, and *Bougainvillea W. K. Harris* with green and white variegated leaves, were shown by Messrs. Stuart Low & Co., Ltd., as were likewise some ripe fruits of the Lowberry (*Blackberry* x *Raspberry*), and the Branble, Phenomenal (*Raspberry* x *Loganberry*), both large fruited novelties, good for the dessert and preserving.

FREDERICK MOORE.

Newport, R. I.—Oscar Schultz has taken a lease of the Hodgson greenhouses on Bellevue avenue, and will run them in connection with his other greenhouses and Broadway store. Dennis Leary, a former manager with the Hodgson Co., will be in charge here.

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
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EVER TRIED JAPAN GROWN CALLIAS?

If not, try them to convince you of their superior quality. Not affected by disease. Bulbs very solid, grown one season in loam to make them fit for long voyage. Shipment expected end of July. Prices on application.

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16 Acres for Fall Delivery.

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American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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THE BOSTON VIOLET

Unequalled for Productiveness, Beauty and Popularity.

In Crop from September to May.
Plants \$1.00 per doz; \$12.00 per 100; \$100.00 per 1000.
Princess of Wales \$15.00 per 1000.

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In ordering goods please add "I saw it in HORTICULTURE."

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THE YOKOHAMA NURSERY CO.
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Seed Trade

AMERICAN SEED TRADE ASSOCIATION.

President, J. C. Robinson, Waterloo, Neb.; First Vice-President, M. H. Duryea, New York; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, Ohio; Assistant Secretary, Leonard H. Vaughan, Chicago.

WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggerhof, Pres.; Burnet Landreth, Sec'y.

The National Organization of Seed Analysts: Its Purpose and Scope.

A paper read by E. H. Jenkins, President of the Association, before the American Seed Trade Association.

On December 31, 1908, representatives from sixteen of the states, from Canada and from the United States Department of Agriculture, met in Washington, D. C., and after discussion, formed the Association of Official Seed Analysts.

While no formal declaration of purposes was put on record, the discussion indicated two objects for the work of this body: first, to improve and unify the present methods of seed testing and, second, to work for more uniform and satisfactory laws regulating the sale of agricultural seeds.

In brief, our aim regarding methods of seed testing is to get uniform and accurate methods and manipulation in all seed-testing laboratories for fixing the purity and vitality of commercial seeds. Seed-testing is no new thing with the Agricultural Stations in this country. More or less of it has been done at the Connecticut Agricultural Station for more than thirty years, and quite as much of it in the interest of seed growers and dealers, as directly for buyers of seeds. Other stations have also engaged in such work.

But this kind of work is now being forced upon the attention of all the agricultural stations of the country by the logic of events and from the side of the retail purchaser. It follows as a consequence of other kinds of control work which state institutions are doing. For example, fertilizers are now sold only under a guaranty of composition; they are officially tested, and, if they fail to meet their guaranties, the buyer has some redress, or the seller is more or less injured in his business reputation. The same is true, in a way, of cattle feeds, food products, and of drugs.

It is plain that clean seed, true to name and of good germinating power, is more essential to the grower than standard fertilizers. He has seen his mowings seeded with pestilent weeds. He has seen his clover fields overrun with dodder and, in some cases, growing almost as much yellow trefoil as clover. He has sown "orchard grass" and got chess in part, and while these utter disasters may not be very common, almost every farmer's own experience teaches him that he is not sure of getting good seed and that bad seed may do more serious and lasting damage than poor fertilizers. But the seller offers him no assurance of any kind regarding his seed. He reads on his packages: "While we exercise the greatest care to have all seeds pure

UNNEEDME IF YOU BUY BERMUDA ONION SEED

BEST IMPROVED STOCK

SEND CONTRACT ORDERS AT ONCE FOR 1910.—Don't Delay.—DO IT NOW.

Read what my customers say about me:—"More than pleased." "Your shipment reached first." "We have splendid reports from the results of your seed." "Will give you all of our future business." "Germination is good."

WHITE CRYSTAL WAX: EARLIEST OF ALL White Bermuda: White and Red.

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NO. 10 STEEL WIRE, GALVANIZED

	Per 100	Per 1000
2 foot	\$0.45	\$3.75
2½ "	.55	4.50
3 "	.65	5.50
3½ "	.75	6.25
4 "	.85	7.25
4½ "	1.10	8.10
5 "	1.10	9.00
6 "	1.20	10.50
6½ "	1.30	12.00

NO. 8 STEEL WIRE, GALVANIZED

	For staking American Beauty and other string roses	Per 100	Per 1000
2 foot	\$0.55		\$5.25
2½ "	.70		6.50
3 "	.80		7.50
3½ "	.95		9.00
4 "	1.10		10.00
4½ "	1.25		11.00
5 "	1.40		12.00
6 "	1.60		15.25
7 "	2.00		17.50
8 "	2.25		19.75

Write for our Midsummer Wholesale Catalogue.

Henry F. Michell Co., 1018 Market St., Philadelphia, Pa.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS Get Our Prices FLOWER SEEDS 79 and 81 E. KINZIE STREET, CHICAGO

and reliable, they are sold without guaranty and without any responsibility, express or implied, in respect to the crop." Neither regarding the purity, nor the vitality, nor the genuineness of the goods he sells will the dealer take any responsibility. This is "caveat emptor" with a vengeance! The farmer's crops are his livelihood, but for his seed no one will be in any degree responsible!

Naturally, with his experience regarding fertilizers, cattle feeds and human food products, he turns to the stations. His only protection at present is to have the quality of the seed which is offered to him fixed, so far as may be, by some impartial and competent person, so that he may avoid what can be clearly proved to be inferior by laboratory tests, and thus in some degree protect himself. Perfect protection he cannot get in this way. At present, for instance, no one can surely distinguish for him the seeds of many agricultural varieties or strains of the same species. Nor can it be determined in advance whether a given lot of seed will yield strong, healthy plants, or weaklings that can germinate but not withstand the accidents of growth in field culture. But it can be certainly determined in almost all cases whether the seed in question is of the species named on the label, whether it is relatively light or heavy seed, what percentage of foreign matter it contains, what proportion of weed seeds and of what kinds, and how much of the pure seed is capable of germinating under

the most favorable conditions. These determinations are obviously of the greatest value to the buyer.

This work, as I have said, is forced on some of us by the state of the trade, the disasters of farmers and their calls for assistance. We must meet the demand and we must meet it with skill and experience, with accuracy and uniformity of method and results. A leading purpose of our Association is to secure these things by co-operation in study of the methods. I may make this clearer from our experience in the examination of fertilizers. Twenty-five years ago there was organized the Association of Official Agricultural Chemists, for the purpose of securing this accuracy and uniformity in the analysis of commercial fertilizers. At that time chemists were following different methods, some of them quite faulty, and in consequence

Mum Canes

What you want now

7 to 8 ft. \$7.00 1000

Wm. Elliott & Sons
42 Vesey St., New York

their results were often discordant and wrought much confusion in the trade. That Association, at first quite small, now includes most of the official agricultural chemists of the country; it considers all methods for the analysis of fertilizers, feeds, food products and drugs; each year its members do a large amount of co-operative investigation work, they compare their work from time to time by the testing of identical samples and, as a result, the work of official chemists in different sections of the country yields much more uniform and consistent results than it did before and commands the confidence of the trade.

Now we propose the same kind of work for the official seed analysts. We shall, I hope, study the methods of sampling seeds, for my experience of more than thirty years convinces me that correct sampling of any material is as important and as difficult as—often much more difficult—than the work of analysis. To illustrate: Some time since, a considerable quantity of carrot seed, of which we found over 70 per cent germinated and which was sold on that guaranty, was refused by the purchaser, who found under 40 per cent germination. On going into the matter, it appeared that the purchaser's sample was taken from the top of the package and contained, in consequence, the lightest seed in it. A sample taken after careful mixture of the whole contents gave a test differing little from our own.

We are studying the whole matter of germination, the control of temperature, the best material on or within which the seed is to be placed to germinate, the time limit of germination, always with the object of making every seed sprout which is at all capable of germination within any reasonable time.

The separation of the pure seed from its own chaff and from all foreign matters, the identification of all foreign seeds, the detection of what are to be considered adulterants, etc.—all these things must be subjects of study and discussion in this Association.

It will also be competent for this Association, after sufficient data have been gathered, to determine for the more important agricultural seeds the limits of purity and of vitality; that is, what shall be considered a satisfactory degree or percentage of purity in each and a satisfactory germinating power.

For planning and directing the work of studying all these matters regarding the testing of seeds, a committee was appointed, consisting of Mr. Edgar Brown, in charge of the Seed Laboratory of the U. S. Department of Agriculture; Prof. H. Garman, botanist of the Kentucky Agricultural Experiment Station, Lexington, Ky.; and Prof. A. D. Selby, botanist of the Ohio Agricultural Experiment Station, Wooster, Ohio. A considerable number of seed analysts are now engaged in the co-operative work and study which has been suggested to them by this committee.

In all these matters we need and I know shall welcome any facts or suggestions with which the American Seed Trade Association or any of its members may favor us. Our relations should be most cordial.

The feeling is perhaps not unnatural, but certainly wrong, that an institu-

tion or a society concerned with the testing of the quality of any product is, ipso facto, in some sense hostile to the producers or dealers in that article. Such a society should aim to foster legitimate trade and fair competition. To expose inferior goods or fraudulent practices is the work of a friend and not an enemy. And if we may have occasion to call attention to what seem to us grave faults in the methods of the seed trade, it is only that in our view certain changes would be to the advantage of both buyer and seller.

The grower will not go on for long buying seeds regarding the quality of which he has no knowledge, in packages whose label calls attention to the fact that all responsibility is disclaimed. He will insist on getting this knowledge from some source. He will trade only with those firms who give what knowledge they can give as to purity and vitality of seed.

I cannot suggest how it is to be secured, but I am convinced that in time the seed trade will put itself into shape to give a statement as to the purity and vitality of the leading agricultural seeds, such as the grasses and clovers, which they handle.

The main points which I wish to emphasize are—that the testing of seeds as a part of Control work in the interest of farmers is being forced upon us; that we are trying to secure uniformity and accuracy in this work; that we believe it will help and not seriously embarrass legitimate trade, and that we need and invite suggestion and fair criticism from the members of the Seed Trade Association.

About Danish Root Seeds.

We have received from Hjalmar Hartmann & Co., the leading vegetable seed growers of Denmark, a large chart giving illustrations in colors of the principal types of roots, showing the standards of form and color which the Danish government is encouraging by establishing periodical competitions between the large growers of seed for export, and awarding certificates for "First Class Stock" to those firms who excel.

In an interesting letter Messrs. Hartmann say that formerly the root-seed used in Denmark was imported from Scotland and Germany. By experiment it was ascertained that excellent conditions for the produce of this kind of seed prevailed in Denmark, however, and it was not long before the government became interested in promoting this home industry and the results were in all respects unexpectedly gratifying. By carrying out the policy above mentioned a constant improvement of quality is assured. The government award is a very highly prized and valuable acquisition for any firm and there is constant, unremitting striving for the honor. The comparative trials at the government experiment station take cognizance not only of beautiful typical form and smoothness but also the percentage of nutritive substance per kilo per Hectar. The government's experiments have proven that a first class stock of Danish seed—for instance, "Barres Sludstrup stock"—yields an extra profit of about 50 Kroner per Danish acre. It is reported that all root seeds will be scarce this year as the roots were badly damaged during the last winter.

Everything "For the Land's Sake."

The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

BOWKER FERTILIZER COMPANY

Everything "For the Land's Sake."

GIANT PANSY SEED

The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed: 1000, 25c; 2000, 40c; 6000, \$1; 12 oz., \$1.40; 12 oz., \$2.50; oz., \$5.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotted, striped, veined, marbled, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

Cauliflower's CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

ORDER NOW
French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

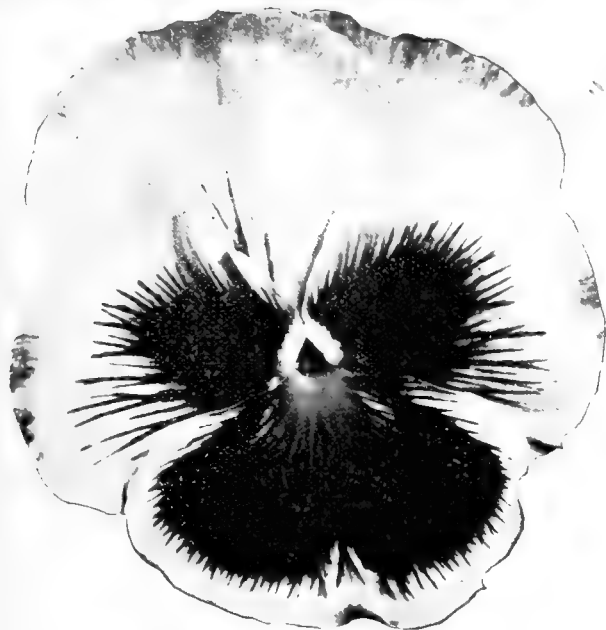
Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

Rothsay, Scotland.—Dobbie & Co., the large seed growers, will remove their headquarters to Edinburgh.

PANSY SEED TIME

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	1/4-oz.	Oz.
GIANT TRIMARDEAU. Mammoth-flowering and in good range of color	\$0.25	\$0.75	\$2.50
GIANT MASTERPIECE (Trilled Pansy). Petals beautifully waved; exquisite colors	.50	1.75	6.00
CASSIER'S GIANT. A fine strain of large highly colored flowers	.50	1.25	4.00
GIANT BUGNOT'S STAINED. Extra choice flowers, large and plenty of light colors	.50	1.50	5.00
GIANT MADAME PERRET. A recent introduction, by a celebrated French specialist; of strong, free growth, Especially rich in red shades	.25	1.00	3.00
GIANT FIRE KING. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
GIANT LORD BEACONSFIELD. Deep purple violet, top petals light blue	.25	.75	2.50
GIANT CANARY BIRD. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.25	1.25	4.00
GIANT ORCHIDAEFLORA, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.50	1.75	6.00
GIANT EMPEROR WILLIAM. Ultramarine-blue, purple eye	.25	.75	2.50
GIANT GOLDEN QUEEN. Bright yellow, no eye	.25	1.25	4.00
GIANT GOLDEN YELLOW. Yellow, brown eye	.25	.75	2.50
GIANT KING OF THE BLACKS (Faust) Black	.25	.75	2.50
GIANT PRESIDENT MCKINLEY. Golden yellow, large dark blotch	.50	1.25	4.00
GIANT PRINCE BISMARCK. Yellowish bronze, dark eye	.25	.75	2.50
GIANT PRETIOSA. Crimson rose, white margin, violet blotch	.50	1.25	4.00
GIANT ROSY LILAC	.25	.75	2.50
GIANT WHITE. Violet spot; the largest white	.25	.60	2.00



CHALLENGE PANSIES

PANSY — BODDINGTON'S "CHALLENGE" ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/4-oz., 75c; 1/2-oz., \$1.50; 1-oz., \$2.75; oz., \$5.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Giant Pansy Seeds

Representing seven of the best growers of Europe. Each color or strain packed separately. The proportion of light and dark is well blended.

Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, 1/8 oz. in each pkt.; in all, 24 pkts., weight 1 oz. \$7.36
Half Florist Collection—24 pkts., weight 1 1/2 oz. \$1.93
Amateur Collection—24 pkt., 500 seeds in each pkt., 2,000 seeds, \$2.50
Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25
Mixture—extra fine, 1000 seeds, 25c.
Exhibition Collection—4 pkt. 500 seeds in each pkt., 2000 seeds, \$1.00

Send for descriptive list of prize winners
JOHN GERARD, New Britain, Conn.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
 12 W. Broadway, New York

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO E. DOW

178 Washington St, Boston, Mass.

ESTABLISHED 1802

*Thorburn's
Bulbs*

LILIUM HARRISII

True stock from most reliable growers

PURITY FREESIA

SEND FOR COPY OF OUR WHOLESALE
 BULB CATALOGUE NOW READY

J. M. THORBURN & CO.
 33 Barclay Street
 NEW YORK

PLANT NOW

Pansy, Daisy, Forget-Me-Not, etc.
 Lilium Longiflorum Giganteum C. S.
 by the case of 300.

THOMAS J. GREY CO.
 32 South Market Street, Boston, Mass.

FRENCH AND DUTCH BULBS
 Columbia Farm Harrisii
 Fischers Purity Freesias

Send for trade list.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Mignonette

**FARQUHAR'S
GIANT**

Oz., 75c; 1-4 oz., 25c

R. & J. Farquhar & Co.

6 & 7 South Market Street
 BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

**DENVER, COLORADO
WILLIAM L. ROCK
FLOWER CO.
KANSAS CITY, - MO.**

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

NEW YORK, BOSTON, PHILADELPHIA
TAKE CARE OF OCEAN STEAMERS



Can Deliver to
LAKE STEAMERS
NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N.Y.

Of Interest to Retail Florists

THE USE AND ABUSE OF A GREAT CONVENIENCE.

Probably nothing in the way of an innovation has done more to help the cut flower business at a season when it is most in need of a boost than the adoption of the plan of mutual interchange of business, by telegraphic order. "Flowers by Telegraph" was a shibboleth which quickly found favor with far sighted florists in various popular centres and instead of shipping designs or cut flowers long distances in cold or hot weather with little assurance of their arrival in time or in good order at their destination a telegram to a brother florist at the point of delivery did the work satisfactorily to all concerned.

The advertisements on this and adjoining pages are those of the live florists in the towns represented and any florist in remote locality can transfer

STEAMER DEPARTURES

Allan.

Laurentian, Boston-Glasgow...Aug. 6

American.

Philadelphia, N. Y.-S'ampton...Aug. 7

Atlantic Transport.

Minnehaha, N. Y.-London...July 31

Minnewaska, N. Y.-London...Aug. 7

Cunard.

Ivernia, Boston-Liverpool...July 27

Lusitania, N. Y.-Liverpool...July 28

Caronia, N. Y.-Liverpool...July 31

French Line.

La Provence, N. Y.-Havre...July 29

La Lorraine, N. Y.-Havre...Aug. 5

Hamburg-American.

Batavia, N. Y.-Med't'n Ports...July 29

Cleveland, N. Y.-Hamburg...July 31

Pres. Grant, N. Y.-Hamburg...Aug. 4

Holland-America.

Noordam, N. Y.-Rotterdam...Aug. 3

Leyland Line.

Cestrian, Boston-Liverpool...Aug. 14

North German Lloyd.

Kaiser Wm. II, N. Y.-Bremen...July 27

Koenig Kurfurst, N. Y.-Br'n...July 29

Koenig Albert, N. Y.-Med. Pts...July 31

White Star.

Cymric, Boston-Liverpool...July 28

Celtic, N. Y.-Liverpool...July 31

Celtic, Boston-Med't'n Ports...Aug. 4

orders to these firms with a certainty that they will be promptly and adequately filled. But there is reason in all things and strange tales come to us occasionally of the absurd demands sometimes made by thoughtless florists in the transmission of orders. One New York florist furnishes instances as follows:

"A prominent florist in one of our western cities wrote asking me to deliver a \$3.00 box of flowers, through our correspondent in Denmark. I waited some time before replying and then asked whether they had considered the amount of order \$3.00, after the discounts—20 per cent. for the western or original florists, 20 per cent. which I would require, 20 per cent. for our representative in Denmark—had been deducted, making a total of \$1.80 for discounts or percentages, and leaving a balance of \$1.20 for flowers for the poor recipient.

"Frequently we have requests to meet incoming steamships at their landing dock and present the bouquet or box of flowers to the passenger as they step ashore; \$1.50, \$2.00, perhaps \$3.00, is the amount for these orders and it takes more than an ordinary messenger to make this delivery as it requires some one with no little detective ability.

"Sometimes we receive rather dictato-

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

Orders by Wire Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

rial letters requesting us to send \$1.00 or \$1.50 box of sweet peas to a departing steamship leaving Hoboken, N. J.

"However, I don't rebel against small matters providing we can get cost out of the transaction. Of course you are familiar with the old Scotch adage, 'Many Micksles Macks a Muckle.'

"I find quite a difference between certain towns as to the general run of orders, some towns being much given to economy. To such I would apply another Scotch phrase and remind them that, 'You canna get a gold sovereign for a shillin'."

We are inclined to believe that a little more courage in handling the customer, giving him or her a more vivid idea of what it costs to command such modern luxuries, might have a salutary influence in inducing a more liberal stretching of the purse strings.

A NUISANCE CONDEMNED.

Thomas F. Galvin, of Boston, has given publicity to the following notice through the Boston daily papers, which will, no doubt, strike a responsive echo of approval from every florist in the country who respects his business and himself.

Certain florists of this city in soliciting orders for flowers for funerals are so lost in their zeal to obtain business as to fail to appreciate the amenities due the grief-stricken, and inconsiderately intrude themselves or their grasping representatives on families suffering from the shock incident to the loss of those near and dear to them. These ghouls of the business are frequently rebuked by the indignant mourners and friends of the deceased, but their actions sometimes tend to create a false impression of the methods employed in the flower business, and those of us who conduct our efforts along legitimate lines are often unjustifiably criticised. We appreciate that flowers as a gift are usually the best external evidence that persons have of showing their sentiments towards the departed and their family, but we most emphatically disapprove of the tactics employed by the inconsiderate element referred to. Their importunities have grown akin to a common nuisance, and my purpose in writing this letter in behalf of my fellow florists is to ask the public to aid the reputable dealers in our efforts to correct the abuses by giving short shrift to these objectionable solicitors.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Malden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

CHICAGO NOTES.

S. A. F. Convention.

The florists' bowling team is getting into line to do some good work at the convention. They beat the Breen & Kennedy team crack players last Friday night.

The array of silver cups on exhibition at Ed. Winterson's is a fine one, and helps to increase the interest in the coming convention, when they will be awarded.

W. H. Murphy of Cincinnati, superintendent of Trade Exhibits for the S. A. F. convention, is here looking after that business and evidently is meeting with success.

Personal and Miscellaneous.

J. McNeill, of J. Kidwell's, is at St. Charles, Ill.

Bernie Zalinger will take a vacation in a few days.

Mrs. Port has closed her store on West Madison street.

Frank Hagan, of George Reinberg's store, is away for a rest.

J. Klingel spent a week in Milwaukee and another in the country.

Wm. J. Smyth is expected home from the hospital within a week.

F. Radke, 435 East 43rd street, is spending two weeks at Wheaton, Ill.

The Fleischman Floral Co. have closed their North State street store.

Miss Hertha Tonner is planning a northern lake trip for the near future.

Louis Winkleman, head rose man for Bassett & Washburn, is on a vacation.

Ed. Hauswirth returned from Elgin with his cavalry after an enjoyable ten days' camping.

Frank Beu has returned from an eastern trip and is ready for another year's business.

Sidney Wiffin, of the Flower Growers' Market, had a week-end vacation at St. Joseph, Mich., and South Bend, Ind.

Visitors: J. F. Fox, of J. M. Fox & Son, Milwaukee, Wis. Mr. Fox recently figured in an auto accident and suffered a broken arm, which gives him an enforced vacation. J. W. Davis, Davenport, Iowa; Harry Philpot, Winipeg, Man.; J. D. Carmody, Evansville, Ind.; LeRoy Thorpe Romaine, Park Ridge, N. J.

Much interest has been shown in the series of five games of base ball between the greenhouse employees of Bassett & Washburn of Hinsdale, and J. C. Vaughan of Western Springs. The final game was played on July 18 and was won by the Bassett & Washburn men, they having scored 26 points to the Vaughan's 19, securing three games out of five. Up to the last half of the game the score was even and the crowd was enthusiastic to say the least.

NEW RETAIL FLOWER STORES.

Plainwell, Mich.—E. M. Latte.

Dixon, Ill.—The Dixon Flower Shop, 106 E. 1st St. (C. H. Fallstrom, proprietor).

In advertisement of Alex. McConnell, New York, in last week's number, his telephone number was printed incorrectly—487-488 Murray Hill, is correct.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

BUSINESS CHANGES.

Little Rock, Ark.—R. A. Garrett succeeds the Cottage Floral Co. in the florist business.

Rosedale, Kan.—Wm. Foith, of Wilmette, Ill., has taken a lease of the Belinder greenhouses.

Oakhurst, N. J.—Leonard Long, of Riverton, has purchased W. D. Robertson's place and will carry on the florists' business.

McMinnville, Tenn.—The Forest Nursery & Seed Co., J. H. H. Boyd, proprietor, have taken over the tree seedlings of T. Perry, Jr.

Kearney, Neb.—H. C. Green succeeds to the business of the Kearney Floral & Seed Co. under the title of the Green Seed & Plant Co.

Boston, Mass.—Thomas Pegler has given up his greenhouses at Wollaston and will devote his whole time to his increasing wholesale business at the Park Street Market.

Lansing, Mich.—The nursery branch of the business of the Maplewood Violet & Nursery Co. has been discontinued and the firm name changed to the Maplewood Violet Co.

N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

For Steamers sailing from Montreal and Quebec Order by Mail or Telegraph from

FLORIST
McKenna

MONTREAL

Careful attention and prompt delivery.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Reckridge Hall Schools. **TALBY**, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

SUMMER BEAUTIES

Best \$3.00 per dozen
Medium Sizes, \$1.50 — \$2.50 per dozen

SWEET PEAS

MARYLAND

All Colors - \$5.00 per 1000

\$5.00 — \$8.00 per 100

THE LEO NIESSEN CO.

1209 Arch St., Philadelphia, Pa.

Closed Every Day at 6 p. m.

ANNUAL TRADE EXHIBIT

— OF THE —

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

CINCINNATI, OHIO, AUG. 17-20 INCLUSIVE

• MAKE APPLICATION FOR SPACE AND RATES TO

WM. MURPHY
SUPT. TRADE EXHIBIT

311 MAIN STREET, - CINCINNATI, OHIO

CUT EASTER LILIES

Extra Fine

\$1.50 per doz. \$10.00 per 100

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Western Headquarters for Choice Orchids
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WHOLESALE FLORISTS AND SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens — WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO July 20		TWIN CITIES July 20		PHILA. July 21		BOSTON July 22	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00
" Extra	15.00	to 20.00	15.00	to 20.00	10.00	to 15.00	12.00	to 15.00
" No. 1	12.00	to 15.00	10.00	to 15.00	6.00	to 8.00	4.00	to 8.00
" Lower grades	5.00	to 10.00	5.00	to 10.00	4.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Golden Gate F. & S.	4.00	to 6.00	4.00	to 8.00	6.00	to 8.00	3.00	to 6.00
" Lower grades	2.00	to 4.00	3.00	to 4.00	1.50	to 3.00	.50	to 2.00
Killarney, Fan, & Sp.	4.00	to 6.00	6.00	to 10.00	8.00	to 12.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	3.00	to 6.00	1.50	to 4.00	.50	to 4.00
Richmond, Fancy & Special ..	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Lower grades	5.00	to 6.00	3.00	to 6.00	2.00	to 4.00	.50	to 4.00
Chatenay	5.00	to 6.00	3.00	to 6.00	.....	to .....	.50	to 6.00
My Maryland .....	.....	to .....	.....	to	2.00	to 10.00	.50	to 8.00
CARNATIONS								
Fancy	1.50	to 2.00	1.00	to 2.50	2.00	to 3.00	.75	to 1.00
Ordinary	1.00	to 1.50	.50	to 1.00	.50	to 1.00	.25	to .50
MISCELLANEOUS								
Cattleyas	35.00	to 50.00	40.00	to 50.00	.....	to 50.00	30.00	to 40.00
Lilies	10.00	to 12.00	10.00	to 12.50	10.00	to 12.50	6.00	to 8.00
Lily of the Valley	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette	2.00	to 4.00	2.00	to 4.00	1.00	to 4.00	1.00	to 2.00
Sweet Peas .....	.40	to .75	.75	to 1.25	.20	to .50	.10	to .35
Gardenias .....	.....	to .....	.....	to 50.00	6.00	to 25.00	8.00	to 25.00
Asters .....	.75	to 1.00	.....	to .....	.....	to .....	.75	to 1.00
Gladioli	4.00	to 6.00	12.00	to 25.00	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	.75	to 1.25	.75	to 1.00	.75	to 1.25
Smilax .....	.....	to 12.00	10.00	to 18.00	10.00	to 12.50	12.00	to 15.00
Asparagus Plumosus, strings ..	40.00	to 50.00	30.00	to 50.00	25.00	to 50.00	25.00	to 50.00
" " & Spreng. (too bchs.)	15.00	to 20.00	30.00	to 50.00	25.00	to 50.00	15.00	to 25.00

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Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

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Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports.

BOSTON Mid-summer dullness is evident to a marked degree. Sweet peas are on the wane while carnations, although poor in quality, have a fair demand. Roses are holding well but the large supply of short-stemmed has held prices down. Asters are just beginning to appear and the few that have been received are in excellent condition.

The market was well supplied with everything in season the past week, but there was very little business up to Friday. Carnations are as plentiful as ever but the quality very poor. Winsor is very satisfactory, also Perfection in white. In the rose line Killarney and Detroit are of fine quality and have found ready sale. Asters have made their appearance, but of short stem. Longiflorum and giganteum lilies have been in over-supply, with little or no demand; the same may be said of sweet peas.

CHICAGO According to our old-time florists the summer business is not falling below its usual record. In fact, there are plenty of times when there is a lively hustle to secure enough good stock to fill orders. This is especially true of roses. New Beauties are coming in, and though small, they are readily taken up. Beauties, Kaiserins, and Killarneys are the trio that lead. Carnations are proving the old saying, that they are never in the market with asters. This is the first week when asters of any quantity can be said to be in. The Queen of the Market is here and with fairly long stems, too. The season in some localities has favored a good crop and in others has produced poor flowers. On the whole it is considered a fairly good one for asters. Sweet peas are too much in evidence on all sides, but the stock is fine for July. There is a good demand for Easter lilies.

DETROIT Two words, "Nothing doing," are about all that can be said of local affairs. Have we got to accept that situation every summer? Are we making so much money in nine months that we can lay idle for three months? Suppose we do, have we a right to do that? Even if everybody has flowers in their own yard, is that a sign for us to stop? Not a day passes but the request is made for a flowering pot plant. What can we offer now? Our cut roses and carnations are now at their worst; can that not be remedied? Look at the flower shops in Paris, Berlin, Leipzig, they are looking as splendid and tempting now as they do in winter time. Who is going to make the break here and show the way to convert three long months of loss into a period of profit? The demand is there, stimulate it, coax it, cater to it.

Business continuing fair for the season, there being a fair volume of trade, with supplies and qualities corresponding. Roses of all kinds are a little draggy—excepting the white varieties, which are in very good demand. American Beauty keeps on an even keel as to quality, but the demand lacks that

liveliness which is so essential to a healthy market. Very few Liberties are coming in, and these only of medium quality. As for Richmonds they are almost a negligible factor and fly open so quickly that profitable marketing is next to impossible. Kaiserins are leaders in white roses, of course, and the demand for these has been exceptionally good. Killarneys are also among the cheerful propositions. Little can be said of the carnation market—this staple being largely superseded for the present by the aster. The latter is improving daily and some of the greenhouse-grown stock which is now commencing to arrive is really excellent. There is a brisk demand for gladioli—especially the high grade sorts such as America and Shakespeare. Sweet peas are very poor and no likelihood of improvement for some time to come. There is the usual summer demand for lily of the valley—a little spasmodic, perhaps—but evening up fairly well as returns are made up. Quite a little crop of Easter lilies appeared during the week and these met with ready sale. The demand for orchids has improved slightly—with supply more plentiful, if anything. The ideal cool subject for decorations, etc.,



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On account of general scarcity caused by the dry weather we advise early booking. Send to us for your requirements. We can furnish the very best the season affords.

Lady Bountiful
Enchantress
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Robert Craig
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Red Sport
Rose Pink Enchantress
Genevieve Lord

\$6.00 per 100
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Harlowarden
Roosevelt
Eldorado

\$4.00 per 100

Afterglow
Beacon
White Enchantress
White Perfection
White Lawson

\$7.00 per 100
\$60.00 per 1000

Winona
Winsor
Splendor

\$8.00 per 100
\$75.00 per 1000

Sarah Hill

\$12.00 per 100

Mrs. Patten
Jessica

\$5.00 per 100

S. S. PENNOCK - MEEHAN CO. The WHOLESALE Philadelphia FLORISTS

1608-1620 Ludlow Street Store closes 6 p. m.
Washington Store, 1212 New York Ave.

is the water lily—especially the fancy sorts—the latter being in excellent demand.

There has been a very marked dropping off in business within the past week. Water lilies are more in demand than almost any other flower. Carnations are of inferior quality. There is a very limited quantity of sweet peas owing to the destructive rains earlier in the season.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	July 20		July 20		July 19		July 19	
ROSES								
Am. Beauty, Fan, and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	18.00	to 20.00	10.00	to 15.00	15.00	to 18.00
" No. 1	8.00	to 12.00	12.00	to 16.00	6.00	to 10.00	8.00	to 12.00
" Lower grades	4.00	to 6.00	3.00	to 12.00	2.00	to 6.00	2.00	to 4.00
Bride, 'Maid, Golden Gate, F. & S.	.....	to 6.00	4.00	to 6.00	6.00	to 8.00	.....	to 6.00
" Low. gr.	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan, & Sp.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
" Lower grades	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00	.....	to 2.00
Chatenay	4.00	to 6.00	4.00	to 6.00	.....	to 6.00	4.00	to 6.00
My Maryland	.....	to 6.00	.....	to 6.00	.....	to 6.00	.....	to 6.00
CARNATIONS								
Fancy and Novelties	.....	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
Ordinary	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
Lilies	10.00	to 15.00	12.50	to 15.00	8.00	to 12.00	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette	2.00	to 3.00	.....	to 1.00	2.00	to 3.00	.....	to 1.00
Sweet Peas	.35	to .50	.25	to .75	.20	to .30	.10	to .50
Gardenias	.....	to 20.00	20.00	to 30.00	20.00	to 30.00	20.00	to 25.00
Asters	.75	to 1.00	.....	to 1.00	1.00	to 1.50	1.00	to 2.00
Gladioli	4.00	to 6.00	.....	to 3.00	3.00	to 5.00	2.00	to 8.00
Adiantum	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.....	to 1.25
Smilax	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	20.00	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 25.00	10.00	to 50.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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Choice Cut Flowers,

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Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan
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CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

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Carnations

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ORCHIDS A SPECIALTY****THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS,** Telephone 769 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending July 17 1909		First Half of Week beginning July 19 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 20.00
" " Extra.....	5.00	to 8.00	6.00	to 8.00
" " No. 1.....	2.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Bride, 'Field, Golden Gate, Fancy and Special.....	4.00	to 6.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Killarney, Fancy and Special.....	3.00	to 6.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	4.00	to 6.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Chatenay.....	.50	to 5.00	.50	to 8.00
My Maryland.....	.50	to 6.00	.50	to 8.00
Carnations, Fancy and Novelties.....	1.00	to 1.5	1.00	to 2.00
" " Ordinary and White.....	.40	to .50	.50	to .75

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
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ENOUGH SAID

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EVERGREENSFancy and Dagger Ferns
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WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments to Order, any Distance

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J. J. COAN, Manager**NEW YORK****Durand & Marohn**

MANUFACTURERS OF

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Florists' Wire Designs a Specialty

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Ship us some stock. We need a large supply of all kinds of flowers, **Roses, Carnations, Sweet Peas, Narcissus, Summer Stock, etc.**, for our new store. Reliability and responsibility first-class. Good prices and prompt returns, Good opportunity.

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Telephone: 1016 Madison Sq.

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We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

FOR FLORISTS' USE

There's **NOTHING** as good as

MEYER'S SILKALINE

Don't let them sell you anything else

JOHN C. MEYER & CO., Boston, Mass.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

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For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

\$2,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

FLOWER MARKET REPORTS.

(Continued from page 115)

There are no interest-
NEW YORK ing features of the market now. The Bridesmaids and Brides being shipped are of an inferior quality. Beauties are plentiful enough to supply all demands and do not command much of a price. Killarneys, Marylands and Kaisersins of good quality are to be had in quantity. Carnation shipments are somewhat lighter than last week, but most of them are small, although some good stock is still to be had. Asters are much more plentiful than they were. The number of lilies received and disposed of daily, even though the price is low, is remarkable. The demand for lily of the valley is spasmodic; there is usually sufficient to supply a good demand. Gladioli are on the increase. Receipts of orchids are light. General business is quiet, but up to usual July averages.

WILLIAM F. KASTING CO.

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383-387 Ellicott Street

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Simple methods of correct accounting especially adapted for florists' use.

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TOP PRICE AND PROMPT RETURNS

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Tel. 167 Madison Sq.

Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 17 1909	First Half of Week beginning July 19 1909
Cattleyas.....	15.00 to 35.00	20.00 to 35.00
Lilies.....	3.00 to 5.00	1.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	.50 to 3.00
Asters.....	1.00 to 3.00	1.00 to 3.00
Gladioli.....	1.00 to 3.00	1.00 to 3.00
Sweet Peas (per 100 bunches).....	1.00 to 4.00	1.00 to 4.00
Gardenias.....	5.00 to 25.00	5.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	8.00 to 12.00	6.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Sprea. (100 bchs).....	15.00 to 25.00	15.00 to 20.00

PERSONAL.

F. L. Atkins, of Bobbink & Atkins, Rutherford, N. J., sailed on July 13 for Europe.

A. H. Nehrling has entered upon his duties as assistant in floriculture at the Experiment Station, Urbana, Ill.

R. T. Brown, manager of Cottage Gardens Co., Queens, N. Y., will sail July 28 for Europe on a business trip.

Harry L. Mixson, of the Mixson Seed Co., Charleston, S. C., has just completed an extended tour through the North.

F. Broker, gardener of the lower City Park, New Orleans, La., joined the rank of married men during the past week.

Edward W. Schueler of Cincinnati will take a position as manager for the Kearney Floral Co., Kearney, Neb., on August 1.

Thomas Wilson of Grass Valley is to have charge of the conservatory now

being built at the State Agricultural School at Davis, Cal.

Jacob Hank, of Bloomfield, N. J., president of the Growers' Cut Flower Co., New York, has started on a six weeks' trip through Holland and Germany.

Charles Philpot has resigned his position as gardener for Mrs. O. H. P. Belmont at Newport, R. I., and has accepted a position as assistant gardener at the E. J. Berwind estate.

J. W. Duncan of Boston's park department will leave on July 27 for Seattle to attend the meeting of the American Association of Park Superintendents, of which he is president.

Mr. Werner and wife and Mrs. Kraak of New Orleans, La., left for Germany on July 15; and Mr. E. Valdejo and wife are about taking a trip to Grand Isle for a month's recreation.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

J. H. Dann & Son, Westfield, N. Y.
For page see List of Advertisers.
O. V. Zangen, Hoboken, N. J.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus plumosus nanus, strong plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000. Seedlings at \$1.00 per 100; \$9.00 per 1000. Frank N. Eskesen, Madison, N. J.

ASTERS.

J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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For page see List of Advertisers.
G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.
A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.
J. H. Dann & Son, Westfield, N. Y.
Begonia Rex.
For page see List of Advertisers.
"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants, \$25.00 per 100; extra large plants from 4 inch pots, \$50.00 per 100. All propagated from leaf cuttings.
Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BOILERS

The W. W. Castle Co., 170 Summer St., Boston.
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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 35 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Mitchell Co., Philadelphia.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Lillium Longiflorum Giganteum.
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Yokohama Nursery Co., 31 Barclay St., New York.
Japan Grown Callas.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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A. Mitting Calla Lily Bulb Co., Santa Cruz, Calif.
Calla Bulbs.
For page see List of Advertisers.

BULBS.—This ad. is our drummer. We certainly have got them and they are O. K. in size and condition owing to cold and damp spring. And the prices are right—delivered to you at 50 per cent. below Dutch bulbs, and being acclimated they flower ten days sooner. They are true, sound, clean, dry, healthy, selected stock. A postal will bring you all details as to varieties to plant or force, with cultural directions. D'Alcorn, The Southern Daffodil Farm, Portsmouth, Va. Where the fine Emperors come from.

CALADIUMS

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CANNAS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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J. H. Dann & Son, Westfield, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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CARNATIONS—Continued

The E. G. Hill Co., Richmond, Ind.
Carnation Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
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S. S. Pennock Mechan. Co., Philadelphia.
Field Grown Carnation Plants.
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CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CROTONS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Joseph Hancock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.
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ELECTRIC CIRCULATORS

The W. W. Castle Co., 170 Summer St., Boston.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechsliu, 2570-2606 W. Adams St., Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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Jardiniere Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000, Rose Hill Nurseries, New Rochelle, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Sheep and Shredded Cattle Manure.

Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.
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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc.
Zanesville, O.

We make Standard Flower Pots, etc. Write us when in need.
Wilmer Cope & Bro.
Lincoln University, Chester Co., Pa.
Syracuse Pottery Co., Syracuse, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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GARDEN HOSE

Revere Rubber Co., Boston, Mass.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For Winter Blooming.
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Godfrey Aschmann, Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, New York.
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Hitchings & Co., 1170 Broadway, New York.
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J. C. Meninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass.
Revere Hose.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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HEATING APPARATUS

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 35 Erie St., Chicago.
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HELP FURNISHED

Thos. H. Bambrick, 34 So. 7th St., Phila.
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HERBACEOUS PERENNIALS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Ponia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Eleventh St., Owensboro, Ky.
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Stumpp & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.
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Powker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

Phila. Insecticide Co., 6117 Main St.,
Germantown, Pa.
Pullman's Insect and Worm Destroyer:
Nicotine.

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Eastern Chemical Co., Pittsburg St., Boston.
"IMT" Soap Spray.

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.

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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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O. V. Zangen, Hoboken, N. J.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.

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MASTICA

F. O. Pierce Co., 12 W. Broadway, New
York.

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MINIATURE CACTI

Cobweb plants, an interesting plant put
up in attractive form, 1-in. pots, \$5.00 per
100. Cash. W. H. Ritter, Cacti and Mini-
ature Plants, 825 N. 28th St., Philadelphia,
Pa.

MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
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MUM CANES

Wm. Elliott & Sons, 42 Vesey St.,
New York.

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MUSAS

The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.

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MYRTLE

Myrtle, blue for cemetery planting, \$2.00
per 100; \$17.50 per 1000. Geo. A. Dhonau,
Station H., Cincinnati, Ohio.

NARCISSUS

A. Mitting Calla Lily Bulb Co., Santa
Cruz, Calif.

Narcissus Alba Grandiflora.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

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NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.

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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.

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New England Nurseries, Inc., Bedford,
Mass.

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W. & T. Smith Co., Geneva, N. Y.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
EILWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordenez Bros., Madison, N. J., Box 105.
Cattleya Mossiae.

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Stuart Low & Co., Bush Hill Park, Enfield,
Middlesex, Eng.

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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

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Geo. Wittbold Co., 1637 Buckingham Place,
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O. V. Zangen, Hoboken, N. J.
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John Scott, Brooklyn, N. Y.
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PANSY SEED

John Gerard, New Britain, Conn.
Giant Pansy Seed.

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A. T. Boddington, 342 W. 14th St.,
New York.

Giant Pansies.

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The best Giant Pansy seed. Send for
leaflet. Chas. Frost, Kenilworth, N. J.

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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

Cottage Gardens Co., Inc., Queens, L. I.,
N. Y.

Peonies for Fall Delivery.

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Gilbert H. Wild, Sarcoxie, Mo.

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Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfeld, Westpoint, Nebr.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 35 Erie St., Chicago.
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Albert & Davidson, 68-70 Troutman St.,
Brooklyn, N. Y.

Pipes and Boiler Tubes.

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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PIPE AND FITTINGS — Continued

Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.
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PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers. Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2
inch. 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

RESURRECTION PLANTS

Write for wholesale prices on resurrec-
tion plants. Native Plant Co., Marathon,
Texas.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, Hoboken, N. J.

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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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The F. R. Pierson Co.,

Tarrytown-on-Hudson, N. Y.

White Killarney.

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Dingee & Conard Co., West Grove, Pa.
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Poehlmann Bros. Co., Morton Grove, Ill.
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A. N. Pierson, Cromwell, Conn.
White Killarney, My Maryland, Ramblers.

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W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

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S. J. Reuter & Son, Westerly, R. I.

Own Root Roses.

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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

F. L. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.

Langangstraede 20, Copenhagen, Denmark.
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Federico C. Varela, Teneriffe, Canary Ids.
Bermuda Onion Seed.

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Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.

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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, 342 W. 14th St.,
New York.

Giant Pansy Seed.

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Hjalmar Hartmann & Co.,
Langangstraede 20, Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

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R. & J. Farquhar & Co., 6-7 So. Market St., Boston.
Mignonette Seed.

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H. F. Mitchell Co., 1018 Market St., Phila.
Primula Seed.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.

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Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.

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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-

men.

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A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.

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Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

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The George Wittbold Co., 1657 Buckingham Place, Chicago.

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SILKALINE

John C. Meyer & Co., Boston, Mass.
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S. A. F. TRADE EXHIBIT

Wm. Murphy, Supt., 311 Main St., Cincinnati, O.

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SMILAX

Smilax, strong, 2½-in., \$1.50 per 100; \$10.00 per 1000. Cash, please. Ready after July 24. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.

Deming Spray Pump.

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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.

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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.

Winter Flowering.

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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FIELD GROWN CARNATIONS.

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ADVERTISERS' IDEAL

S. A. F. Convention Number to be Issued August 14.

Order space now—It pays to be forehanded

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

AMERICAN ASSOCIATION OF RAILROAD GARDENERS.

The third annual meeting of the American Association of Railroad Gardeners will be held in Philadelphia Aug. 24 at 10 A. M. A very interesting program has been arranged for, and some of the best examples of railroad gardening in America will be inspected.

All railroad employees having superintendence of lawns, care of flowers, shrubbery and trees, and the general aesthetic appearance of railroad waylands are eligible to membership, and all persons interested in this feature of railroad work will be gladly welcomed.

GEO. B. MOULDER, Secretary.

BUFFALO FLORISTS' CLUB.

The regular meeting of the Buffalo Florists' Club was held on Tuesday, July 13, and considering the warm evening it was well attended. Among the special items was the discussion of the annual picnic which was later decided to be held on Wednesday, July 28, at Bedell House, the entertainment committee having full power to act.

At the regular September meeting a paper will be read by W. A. Adams on the "Slaughter of Flowers." Other papers are being prepared for later meetings by President Slattery, Wm. Legg and Chas. Guenther.

CLUB AND SOCIETY NOTES.

The Bar Harbor Horticultural Society will hold their second annual flower show on August 14, in the Building of Arts, Bar Harbor, Me.

The Albany Florist Club propose to hold their first flower show in November; the date is not yet announced. The committee has already begun its solicitation for exhibits.

INCORPORATED.

Denver, Colo.—Northern Colorado Nursery Co.; M. R. Kilburn, A. S. Kilburn of Loveland; capital, \$10,000.

Toledo, O.—Crumbaugh & Kuehn, grain and seed business; E. B. W. Kuehn, W. R. Hadnett, E. N. Crumbaugh, F. R. Moorman, H. R. Kuehn; capital, \$15,000.

VEGETABLE PLANTS

CABBAGE. Field Grown, all leading varieties, \$1.00 per 1000. 10,000 and over, 75c per 1000.

CELERY. White Plume, Golden Self Blanching and Giant Pascal, \$1.00 per 1000.

EGG PLANT. N. Y. Improved and Black Beauty, \$3.00 per 1000.

LETTUCE. Big Boston, Boston Market, Tennis Ball and Grand Rapids, \$1.00 per 1000.

PEPPERS. Ruby King, Bull Nose, Sweet Mountain and Neapolitan, \$2.00 per 1000. Chinese Giant and Cayenne, 50c per 1000.

PARSLEY. \$1.25 per 1000.

CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The list of games at the club picnic on July 28, at Randolph Grove, includes the following events, 22 in all, starting promptly at 10 a. m.:

Base Ball for Boys. Base Ball—Commercial Growers vs. Private Gardeners. Putting the Shot—Open. Flag race for Girls under 16—Handicap. Three-legged race, Open—for Men. 100-yard race for Girls under 16—Handicap. 50-yard race for Boys under 12—Handicap. Married Ladies' race, 75 yards—Handicap. Three-legged race for Boys. 50-yard race for Girls under 12—Handicap. Sack race for Men—Open. Hoop race for Girls over 18. Quoit Match—Club Members. 100-yard race—Club Members. High Jump—Club Members. Flag race for Married Ladies. Fat Men's race—Open. Running Broad Jump—Open. Half-Mile race—Club Members. 30-yard race for Girls under 8. 30-yard race for Boys under 8. Tug of War—Commercial vs. Privates.

The prizes, as usual, consist of a varied selection of valuable and useful articles, which have been donated by members and friends of the club. Circulars giving full particulars, rules, etc., have been distributed and additional copies can be procured from Secretary W. N. Craig, North Easton, Mass., or Peter M. Miller, 32 South Market street, Boston. Tickets, 50 cents each, can be procured from the latter and must be purchased by 24th inst. Ladies and children (boys under 16) admitted free.

On August 9 the Detroit florists will have their outing to Bois Blanc. The regular athletic events, notably Rob. Rahaley's base ball nine, will stimulate the usual large attendance.

SEED TRADE NOTES.

St. Joseph, Mo.—The Mission Valley Seed Co. has sold its stock to the Neudorff Hardware Co.

Hudson, Wis.—Miss C. H. Lippincott has recently transferred her seed business here from Minneapolis.

Sioux City, Ia.—The Sioux City Seed & Nursery Co. has planted about 5,000 acres of corn for seed.

Boston, Mass.—A meeting of the stockholders, stall holders and other florists who sell their flowers in the Park Street Market is called for July 24 at the American House, to take action on a change of location.

Jacksonville, Fla.—The business of Mills, the Florist, is to be incorporated for the purpose, as stated in their application, of conducting a florist, nursery, horticultural, pottery and real estate business.

RICHMOND (IND.) NOTES.

On July 1 The E. G. Hill Co. removed their office to their West Side place which has been under construction for the past three years. They have moved a good portion of the glass from the East Side place, but have left some ten houses there for a retail plant, which are now the property of Mr. F. H. Lemon, he having withdrawn from the corporation and undertaken the city retail trade on his own account. He has a fine lot of glass admirably located for his purpose and with a first rate outlook for business.

The Hill corporation consists of E. G. Hill, president; Jas. H. Hill, vice-president and general manager; S. A. Hill, secretary; E. H. Mann, treasurer. The new plant consists of eleven houses each 500 feet long, heated and benched according to the latest and best ideas, and planted with the best standard and fancy novelty stocks in this firm's specialties.

LENOX (MASS.) NOTES.

G. Wells Allwood has taken a position with A. J. Loveless as foreman.

Herman Schmeiske, formerly gardener for Miss Kneeland, has taken a similar position with Senator Crane at Dalton.

Robert Macconachie has taken a position as gardener for Miss Adele Kneeland.

Ernest Marsh, formerly foreman at Wyndhurst Gardens, sailed July 3 for a visit to his home in the west of England. On his return he expects to resume work on the James B. Duke estate, Somerville, N. J.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " 5.25	120 7 " " 4.20
1500 2 1/2 " " 6.00	60 8 " " 4.20
1000 3 " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " 5.80	48 10 " " 4.80
500 4 " " 4.50	24 11 " " 3.60
456 4 1/2 " " 5.24	24 12 " " 4.80
320 5 " " 4.51	12 14 " " 4.80
210 5 1/2 " " 3.78	6 16 " " 4.50

Send pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

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PHILADELPHIA NOTES.

William K. Harris, we are glad to report, is much improved this week and his family and many friends are now breathing more freely.

Visitors the past week: Mr. Stein, of Stein and Levin, San Francisco; Edward Roehrs, of Julius Roehrs Co., Rutherford, N. J.; Mr. Becker, of Avondale Flower Co., Cincinnati.

The Pennock-Meehan Co. report an unusually brisk demand for field-grown carnation plants. The dry weather has played havoc with development in many localities—hence good stock is scarce—especially among the most desirable varieties.

Edward Roehrs used to think there were at least two wizards in this country: Luther Burbank and the Castle Circulator. Since the R. N. Y. got its work in on Luther, he is inclined to cross one off, and be theocratic and automatic. Summer street scouts please note.

The schedule of prizes for the Fall Show of the Pennsylvania Horticultural Society has been issued, and copies of same may be had on application to D. Rust, Horticultural Hall, Broad and Locust streets. The show will be of four days' duration: November 9th, 10th, 11th and 12th.

H. C. Woltemate, Mount Airy, asks a slight modification of last week's news item. He has leased the old Butler place at Chestnut Hill, with a privilege of buying at a stated price; and has put his son Gilbert in charge. There is something like ten thousand feet of glass on the place; and while it may develop a retail trade it is not the intention to cater to that at present.

Wm. J. Muth, of the Philadelphia Cut Flower Co., has just returned from an enjoyable sojourn at Dutton's Mills—a modern Newport located between West Chester and Malvern. We have heard nothing of roulette wheels there as yet—like the other Newport—but think that anyone who wished might roulette all he wanted and no one would say what! Ralph Shrigley, of the Leo Niessen Co., has had a splendid time up Lancaster way. And—but no—there are too many for the size of this paper. We refrain.

The transportation committee report progress, with a good prospect of connecting with Baltimore and Washington for the trip to the convention. Estimates for the number of the Philadelphia party vary from thirty to sixty. The difficulty is that we have so many plant and supply concerns who send their help on ahead to arrange their exhibits. This reduces the party by at least twenty or twenty-five. The Chesapeake and Ohio is the route favored so far. All nearby members wishing to join the Philadelphians should write at once either to John Westcott, Arthur Niessen, or E. J. Fan-court.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

GOOD MEN

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—An honest, sober, industrious man who understands the growing of pinks, mums and single violets, principally, for local trade, to call at 40 Columbus St., Newton Highlands, Mass., at once. E. A. M., Newton Highlands, Mass.

WANTED—A young, married, hustling, working foreman to take full charge of place where roses and carnations are principally grown. Must be sober, experienced and well recommended. Fair wages and increase when ability is demonstrated. Permanent if successful. J. R. Freeman, 612 13 St. N. W., Washington, D. C.

SITUATIONS WANTED

GARDENER. 31, married, wants situation. Honest, sober, thoroughly understands the care of gentleman's place, growing flowers, fruits, vegetables and landscaping. Ed. Walther, Millwood, N. Y.

FOR SALE

For Sale Greenhouse Property

Located at Somerset and Howard streets, North Plainfield, Somerset County, New Jersey. Dimensions 248 x 106 ft. Contains three greenhouses 20 x 175 ft., steel frames. Trolley lines pass property. Will sell cheap and on easy terms. For particulars apply to F. B. DAILEY, care F. BERG & CO., - - Orange, N. J.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE OR RENT—Greenhouse, 56 x 100 feet, two acres land, about 800 peonies, 100 white lilacs; house, barn, etc. Price, \$2,500; rent, \$250. Edward Swayne, West Chester, Pa.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

MISCELLANEOUS WANTS

WANTED TO BUY—Complete green house plants and all kinds of greenhouse material, to be taken down and removed at once. Terms cash. Address I. Sussarman, 229 Livingston St., Newark, N. J.

WANTED—Second-hand bags and bur-lap, any kind, any quantity, anywhere. Richmond Bag Co., Richmond, Va.

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IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

LAWN DECORATION.

(A Paper read Before the Florists' Club of Philadelphia by Edwin Lonsdale.)

Lawn adornment opens up a very wide field, altogether too wide to be considered at all satisfactorily in the brief space that may be allotted to its consideration this evening, so that the best that can be done with so important a subject under existing conditions is to give same a "touch and go" treatment.

The first thing that naturally suggests itself when considering the embellishments to a lawn is to produce an inviting and restful effect, and the very best material to make use of is shrubbery and shade trees judiciously planted, and what is of equal importance is a seat here and there; let these be as informal or as rustic, yet as comfortable for the purpose intended as it is possible to have them. Let shrubs, both the deciduous flowering and the ornamental evergreens be disposed as nearly with natural effects as it is possible to do. Many of the strong growing grasses add a grace to any plantation that nothing else can give.

Don't Dot the Lawn With Plants.

Do not dot plants on a lawn unless same is made to appear to have naturally escaped from a nearby group. I once saw a lawn planted with such regularity that in the distance the bushes had the appearance of cocks of hay.

Let the shrubs occupy spaces on the extreme outsides of the lawn, avoiding straight lines in the planting in all cases, allowing sufficient space between each plant for the future development, and for the first few years after planting what may seem too much room may be occupied with such flowering annuals as may suggest themselves to those who have the work in charge, and the more lasting hardy perennials could to advantage be interspersed between.

Avoid Clashing Colors.

Great care must be exercised in the association of the various colored annuals and the perennial flowering plants to avoid clashes in coloring. It is by far easier to avoid color clashes in the tender bedding plant combinations than it is with the hardy outdoor flowering plants, although too often we do see the scarlet zonale pelargoniums and the majenta-pink colored varieties of the same, in too close proximity with each other to be harmonious.

Vases judiciously placed, which means never in the centre of a plot or lawn, and where water is of easy access so as to give in abundance when requisite, which is generally once a day and frequently twice, are oftentimes very effective. Especially is this the case on the edge of a pond or lake, but by all means refrain from planting purple petunias in the same vase with scarlet geraniums or any other colors with which they may produce discord.

Many of my hearers will remember that strong paper read at a convention in the early history of the Society of American Florists, held in Buffalo, N. Y., in which the essayist advocated the omission of all flowering plants from lawns and pleasure grounds, to have nothing but grass, trees and shrubbery, and you will also remember what an uproar went up all over the

country in vigorous protest. And only last summer a lady visitor at Girard College, on entering the lodge gate, stood, and in no unmistakable terms declared, "What a pity to cut up the lawn and plant thereon those horrid geraniums," and so it goes. It is impossible to please everyone.

Cactus Bed a Great Attraction.

The cactus bed which we have in Girard College grounds attracts more attention than all the croton, geranium, or miscellaneous beds combined.

The President of Girard College only a short time ago said 'with much apparent gratification that the "front" never looked better. While the too plentiful use of the scarlet geranium (*zonale pelargonium*) may not be considered in the very best taste as we have it this year, I believe its very brilliancy in coloring in the past has attracted many persons' attention to the gardening, and when once a person's interest has become aroused in gardening, the rest is easy. The end has justified the means. It has acted as a means to an end, and has acted as a primer as it were, or rather the kindergarten to aid floriculture.

In a public, as well as any other garden, the geranium appeals to the popular fancy, and for that purpose I believe it will hold its own for a very long time to come. Personally, I have no use for the pink varieties, for the most part, because they do not harmonize with the brighter reds or scarlets. At one time I did not like the salmon-tinted varieties of geranium, but now I welcome them, because they harmonize with the brighter reds and scarlets. There is no color clash with these brighter colors, provided the blue combination is kept in due subjection.

A Hammock Corner.

It should be understood in this connection that the landscape gardener has completed his work, though one suggestion I will venture to propose, and that is when space admits, I would advise that a triangular tree plantation be made not too far away from the residence, and that these trees be the pin oak (*Quercus palustris*) where said trees render a good account of themselves, or some better tree for a given locality when such suggests itself. Let same be planted at least 16 ft. apart, in triangular form and those of my hearers who contemplate such a planting will be surprised how amenable they will be to the prescribed landscape effects and, what is of equal importance, after they have had a few years growth they may be brought into requisition as hammock supports. Three trees properly disposed will support or rather furnish supports for three hammocks, which will undoubtedly furnish another point in the restful effect so much desired in all lawn adornments.

Keeping Up a Succession.

The planting of flower and foliage beds in lawn adornment is considered to be worthy of our best thoughts. Especially does this apply in public and semi-public gardens connected with our popular institutions. In the Girard College grounds with which yours truly is connected, the idea is to make as much display with the plants we have on hand as is possible, and we proceed as follows: In the spring time we

plant pansies, forget-me-nots, *Alyssum saxatile*, and *Arabis alpina* between and associated with tulips, hyacinths, etc., which had been planted during the late October and early in the November previous. This combination, for spring flowering, is very effective. Wall-flowers are also found to make good for spring bedding when planted as above indicated between bulbs of last fall's planting or for independent planting in spaces unoccupied. Wall-flowers sown late in June or early in July, if taken care of, as to transplanting once or twice, will make very effective planting for spring work, and for summer blooming there is nothing superior to geraniums and when we desire foliage plants nothing is comparable to crotons. The surprise is, judging from how well these showy-leaved plants cover themselves with glory in and around Philadelphia, that more of them are not used elsewhere. Cannas, as a large flowering plant for distant effect are most satisfactory, and as edging plants nothing is superior to *Abutilon Savitzi*, which gives the "white line" more effectively than any other plant that I know. *Echeveria* and *alternanthera* are much used where formal designs are desired, but these are being used less and less as truly artistic instincts are developed, and the time is not far distant when the formal flower bed will be a thing of the past.

PUBLICATION RECEIVED.

The Grapes of New York—It is a splendid service that the Department of Agriculture of the State of New York has rendered to the fruit culturists of the country in issuing this noble volume. The preface states that the purpose of the work is to record the state of development of American grapes and that while the title implies limit to a locality, yet this locality (New York) is really representative of the entire country. The book, which is a quarto of 564 pages, is the result of years of recorded observations by the New York Experiment Station staff and is the second in the series of fruit publications being prepared under the supervision of Director W. H. Jordan, the Apples of New York having been previously issued. The author, U. P. Hedrick, and the other gentlemen who have assisted him in the immense amount of labor which such a work involves have evidently done all in their power to cover their subject completely from all standpoints and the book bears on every page distinct evidence of the painstaking devotion with which their task has been carried out. While a vast amount of data has been recorded, yet the text is notably free from dry statistical flavor and all is presented in the most interesting narrative form. The history of the origin of the Rogers' hybrids is almost a romance. Grape breeding should and undoubtedly will receive a great stimulus as a result of the issuance of this volume and the inspiration which its pages yield. Not the least of the interesting and instructive features is the series of full-page color plates of which there are 101, each showing a bunch of one variety with foliage and stem, beautifully executed. A portrait of Edward Stanford Rogers is given the place of honor as a frontispiece.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The demand for graduates has been greater during the past season than the supply. Several changes have been introduced in the course to be given by the floricultural department during the coming year. Up to the present time the course has been given only in the senior year, but next year it will be extended to the junior year.

During the first half year a practical course in greenhouse management will be given. There will be no definite lecture work but the students will be taught to do the practical work which goes with the management of a commercial establishment. Students selecting this course will be expected to arrange their hours according to the needs of the work.

During the second half year the instruction given will be in greenhouse design, construction and heating. The course for the first semester of the senior year will be in the care and management of greenhouse crops, design work and the retail trade. During the second half year the instruction will be in spring greenhouse crops. In this course it is intended to give more attention to the treatment of outdoor herbaceous material, which should form such a prominent feature of florist work. The Short Course in Floriculture will be given during January and February, the same as last year.

The department has recently received from a manufacturing company a complete model of their return steam trap for greenhouses. This model will be used for class-room demonstration. The action of this firm is greatly appreciated by the college and it is hoped more firms may co-operate in this way, so the instruction may be more and more practical and helpful along all lines.

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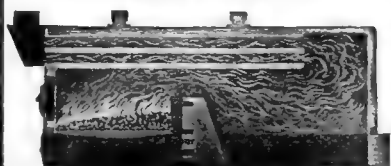
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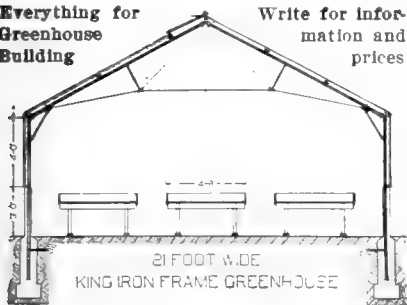
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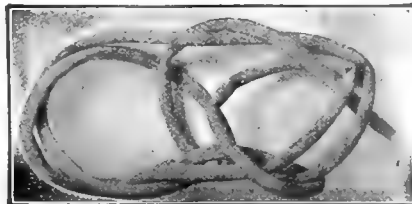
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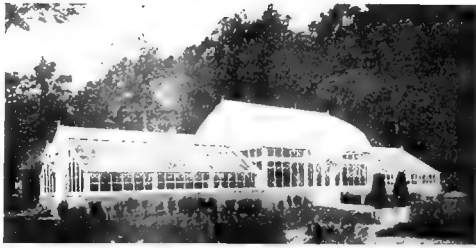
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HORTICULTURE

Vol. X. JULY 31, 1909 No. 5



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This will be an issue of exceptional interest and will be widely circulated and widely read. Its value as an advertising medium for all floral and horticultural material cannot be over estimated. S. A. F. trade is always worth a special effort at Convention time. Send your order in early and it will have our best attention.

Euphorbia fulgens *E. Jacquinæflora* and *E. Poinsettia pulcherrima*

The name *Euphorbia* was given to this plant by Dioscorides. Pliny says it was so called in honor of Euphorbus, physician to Juba, king of Mauritania. The history of the names of plants, or their meaning I find to be quite a useful study, as it helps to fasten the name of the plant in one's memory, the one helping to recall the other. Again, if anyone asks the name of a plant, and you tell them, see how helplessly the average person looks at you, but if you can tell them also the meaning or history of the name, they get interested and begin to think that you are not simply making it up on the spur of the moment to hide your ignorance. I remember some time ago a lady asked me the name of a *Clerodendron*, and when I told her, she asked me if I knew what the name meant. I replied that I believed it came from *kleros*, which means chance, and *dendron* a tree. The natives did not know whether it had any healing virtues or not, but they took chances on it. "There," she exclaimed, "is a good common name for it—the chance tree."

But to return to *Euphorbia*, a genus comprising about six hundred species of trees, shrubs and herbs. The two above named are the most useful for the gardener or florist for greenhouse culture. Some have told me they have a hard time rooting *E. fulgens* and considering the treatment I quite often see this attractive Christmas flowering plant gets after cutting the crop, I do not wonder they do. Very often it is pushed under a bench, or thrust into some dark out of the way corner, and then they try to root the soft spindly growths that start away from the old wood. A better way is to set the cut-back plants on a shelf near the glass in the full sun, and not dry them off severely. In the spring you will get nice firm cuttings. When they are about three inches long remove them from the old plants, and trim the lower leaves and insert in sand. We use a seed pan about two inches deep and a foot square, in which we put about 120 cuttings, giving them a thorough soaking with water, and set them near the glass in a house where the temperature is about seventy degrees. Do not water them again until the sand begins to have a dry appearance on top, then give another good soaking. They will be rooted in about a month, after which, we prick seven or eight into a six-inch pot filled with a good rich open loam, keep close and slightly shaded for a day or two, and then place in the full sun.

After the first of June they can be set outdoors. Ashes is a good thing to set them on or plunge them in. By the second week in September they will have a nice sturdy growth, and can get some manure water once a week. Removing them to their quarters indoors will also be in order. A house around sixty degrees will bring them in flower nicely by Christmas. At the time of writing, July 19, there is plenty of time to root more cuttings. These, if desired, can be pricked thickly into a ten or twelve-inch pot when rooted, and staked out nicely with thin twigs when they come in flower, making a good specimen plant. When cutting the flowers for vases, it is better to have a dish of boiling water near by to dip the ends of the stems in, to prevent the flow of the milky sap, then cover over the head in cold water for a day and there will be no trouble with their keeping qualities.

The popular poinsettia, *E. Poinsettia pulcherrima*, requires quite a long period of rest. A good place to store them is under a carnation house bench. About May 1st, is a good time to start them. They can be planted outdoors in June, and one gets a far firmer cutting than if they had been kept under glass. We find it is a good plan to pot each cutting singly in a two-inch

pot, putting about half an inch of sphagnum moss in the bottom of each pot, and filling up with a mixture of powdered charcoal and sand. Placed in a tight cold frame shaded with a cotton cloth, they will root in about four weeks, from June until the middle of September. The earlier rooted ones we plant in nine or ten-inch pots about a dozen or fifteen to a pot. They make nice specimens about three feet high for Christmas. The last rooted batch make nice dwarf plants in pans.

We find that both these *Euphorbias* are very sensitive to fresh bone meal, and would not advise its use, unless it had been mixed with the soil for three months.

George F. Stewart.

Notes from the Arnold Arboretum

In one of the preceding notes *Sorbaria stellipila* was described as a new species closely resembling the well known *S. sorbifolia* but flowering later. Today another new species may be mentioned which is just now beginning to bloom, thus flowering about a month later than *S. sorbifolia*. This species is *Sorbaria assurgens* from China. It differs in habit more from *S. sorbifolia* than *S. stellipila*, growing into a much larger shrub about six feet in height or even more. Its foliage is more graceful, the leaflets very numerous, longer and narrower with closely set veins and usually more or less curved. The large panicles of white flowers are from eight to twelve inches long and looser and broader. It has proved hardy at the Arboretum and is, particularly on account of its late and showy flowers, a shrub to be recommended. In connection with this mention may be made of another closely related species, viz., *Sorbaria Aitchisonii* (*Spiraea sorbifolia angustifolia*) from Afghanistan. This species unfortunately is not quite as hardy as the preceding one and died last winter at the Arboretum, though it had stood two of the preceding winters with but slight injuries. It is still more graceful than the preceding species, growing into a rather tall shrub of a more open habit with partly spreading and ascending stems. The flowers appear about the same time as those of *S. assurgens* in looser panicles. The foliage too is handsomer, the numerous narrow leaflets are of a bright glossy green with usually purplish stalks and also the stems are tinged purple which gives a pleasing contrast with the lustrous graceful foliage. *Sorbaria Aitchisonii* is certainly the handsomest of the *Sorbarias* and for situations where it is hardy to be preferred to the others.

The much advertised *Hydrangea arborescens grandiflora* is now in full bloom and there can be no doubt that it merits the recommendations it has received. Particularly larger shrubs are very effective, as the plant is of good habit, forming a broad round bush studded all over with its large clusters of pure white flowers borne well above the foliage. It has, however, now got a rival in the new *Hydrangea cinerea sterilis* which has as large and beautiful clusters of white flowers according to flowering branches received last year from Teas' nursery in Centerville, Ind., and a few days ago from Meehan's nursery in Philadelphia. Botanically it is easily distinguished from the other form by the grayish down of the under side of the leaves and also by the more rounded not pointed sepals; about its horticultural points I can say nothing so far, as I had not yet the opportunity to observe living plants.

Alfred Rehder.

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Applying the golden rule

"The Message of the West to the East" is the title of one of the addresses to be presented at the National Irrigation Congress to be held next month at Spokane, Washington. We shall read the "message" with interest. "The West" as represented by certain senators in their action on the Appalachian bill in Congress administered a rude shock to the friends of conservation and reclamation which is all the more acute

when we recall the support given by eastern legislators when the plans for the vast irrigation operations in the West were before Congress. No wiser or more patriotic proposition is before the country at the present time than this to prevent the laying waste of the remnants of original forest still standing in the White and Southern Appalachian Mountain ranges, and no more comforting and encouraging message can come from our fellow countrymen in the far West than the assurance that the killing of the Appalachian bill was antagonistic to the sentiments of the western people and that they wish to be so understood when the question is again brought up.

Seed trade east and west

Judging from the news columns of the Des Moines, Ia., News our friend C. N. Page, president of the Iowa Seed Company, has been having something to tell the folks after his return from a trip to Washington and the meeting of the Seed Trade Association at Niagara Falls. "Eastern seed dealers are fast losing their supremacy in the seed business of the country. It was but a few years ago when the East had all the seed business, but the West is now taking the rank which it should have in this line of business," Mr. Page is quoted as having said. The gentleman does not indicate where he draws the line as to what constitutes East and what West, and this makes it rather vague as to where the lemon is presumed to fall. Neither does he specify what sort of seeds he has in mind. Whatever interpretation may be put upon the claim, however, we doubt very much whether the seed dealers East of the Mississippi for instance, or even in the line of cities fringing the Atlantic Coast are losing sleep over any fear of the diversion of their "supremacy" to the great and growing West. None, so far as we know, will admit that they ever had a better business than they have enjoyed this present season. And the dealer who will see to it that his supremacy in quality is uniformly maintained need have no fears for his future, whether he be in the far East, far West, or any other old place.

On to Cincinnati

The coming Convention of the Society of American Florists at Cincinnati should be made memorable—not alone by the work accomplished, the speeches made, the plans matured and the mammoth trade exhibition which is assured, but by a record attendance from all parts of the country. There is no question but that every individual who honors the good old Society on this quarter-centennial celebration will get full value many times multiplied for every dollar of money and every hour of the time spent regardless of the distance he may have to travel. And we should not forget that Cincinnati is entitled to all the respect we can show her on this occasion and the very least we can do is to appear in large numbers, thus helping to make the affair impressive and showing that the horticultural interests remember with gratitude the honorable part she took in giving the organization a good start in life. Cincinnati, through her florists, her hotel people, her city officials and through the generous co-operation of the Cincinnati, Hamilton and Dayton R. R. Company, set the pace for every S. A. F. Convention which has followed. The reception extended was a princely one, the welcome had the true ring, for it came from the heart and the signal success achieved by the Society to which Cincinnati so hospitably played the host owes not a little to the comradeship so well exemplified in Cincinnati's greeting to her florist visitors. So pack up and join the happy pilgrimage and help swell the crowd for your own sake, for Cincinnati's sake and for the sake of the noblest avocation that man can follow.

European Horticulture

SOME NOVELTIES IN ROSES

Etoile de France. This is Tea hybrid having flowers of a dark purple color, velvety and bright, and a bud of considerable length and pleasing shape, which has the property of keeping or lasting for a long time. The open bloom is globular, a matter of small consequence compared with the elegance of the bud stage. It is a particularly pretty flower, withstanding cool and wet weather. For cutting as a bud it is to be highly recommended. It does well in heavy soils; in light ones it is advisable in dry times to supply water to the plants in abundance, otherwise the color pales somewhat.

Karl Rosinck, H. T., is a fiery red glittering flower of a fine shape, delicious fragrance, and great durability. As a bud or in the half-open state, or fully expanded, it is a capital variety that does not deteriorate in color as it ages—a good variety as second early or late flowering, and for all purposes in the open air.

Mme. Jean Everaerts, H. P. This is one of the finest bright red roses of the best full form, with good perfume, and, being an abundant bloomer, is an excellent subject for the cut flower trade.

Mrs. A. M. Kirker, H. P., is a variety with bright cherry red flowers, double, very fragrant, with reflexed petals which impart a peculiar charm to the flowers. Growth is vigorous and the wood firm. A good autumn rose. *Victor Morlot, H. P.*, is a velvety light red flower, with a blackish tinge, large and well filled, the bud of egg form. *Mme. Segoud Weber, H. T.*, salmon pink, grand form and very full (good blooms were observed of this variety at the late show of N. R. S. at the Royal Botanic Gardens, London). Excellent for every purpose to which a rose can be put. It prefers a strong soil, and moderate warmth when forced.

Andenken an Lydia Grimm, H. P. This fine variety, of a pure, silky light pink tint, has a well filled, interesting form and fragrant flower. The growth is robust, and erect. It is one of the best of its color for cutting, the flowering shoots being of great length; and the flowers develop perfectly in any sort of weather. The color is a purer one than that of the well-known Baronne A. de Rothschild, which it also exceeds in vigor of growth and shape of the flower. Short stalked flowers are never found on the plant.

Mme. Jules Gravier, H. T. This fine variety is becoming a great favorite with rosarians. The bloom is light pink, the buds very beautiful, and the shoots of a great length. Growth is very vigorous—indeed semi-scandent; excellent for covering a wall or fence, etc., and suitable likewise as a bush, pyramid or standard. The plant is not tender, withstanding a rather low degree of cold without protection.

Mme. Ravary, H. T. This is a very free variety, having fragrant flowers, fairly full, of a light yellow color at the lips of the petals and a darker tint in the centre. Growth is compact and bushy, and in heavy soils the flower stalks frequently grow to a considerable length. For beds, borders and edgings the plant is very effective.

Mme. Melanie Soupert, H. T., is a beautiful variety of an orange salmon tint; has a long flower bud; and half opened it is extremely fine and graceful. The tint of the flower is most taking. As a mid-season and late, in frames, and the open ground, it is a rose that is becoming a universal favorite.

THE EFFECTS OF HARD FROSTS ON ROSES, ETC.

In the central region of Europe away from the sea coast the rule is still, in the winter season, to place some kind of protective materials over the roses of every

class. Even climbing varieties on walls and fences are protected with straw and mats, or they are unfastened, and the branches bundled-up in straw or dry fern treads and then laid on the soil and covered with tree leaves. In this manner the writer of this note was accustomed in Austria to protect his roses; and in no year from 1873-1880 was it an unnecessary work. Other plants besides roses had, for safety's sake, to be protected in the winter, viz., *Magnolia purpurea* and *M. Lenzii*, two deciduous kinds, the latter white inside, and deep purple on the outside of the flower, needed a thick covering of straw to be wrapped around them. The effect of such protected plants is rather bizarre to the stranger from milder climes, but seeing that in the generality of winters the snow covers everything from the end of the month of October till the first week of April, the eye gets accustomed to these white statues, and hillocks of tree leaves scattered about the garden and pleasure ground. The effects of winter cold vary unaccountably in Central Europe, and plants which escape injury one year, may be severely injured or totally destroyed in another, without apparent reason; and some striking cases of this fact are given in a recent issue of the *Gartenwelt* by a correspondent resident at Karlsruhe. A fine old *Calycanthus floridus*, which for many years in succession was covered with hundreds of its deliciously fragrant flowers, was last winter completely frozen, in so far as the ends of the shoots, and cryptomerias and rhododendrons in exposed positions, were similarly injured, some plants of the latter being killed. Further, the frost acted injuriously on young plants of *Ribes sanguinea* and *Taxus baccata*, the last named being killed; likewise a *Magnolia obovata* with the exception of one branch, although *M. macrophylla*, *M. parviflora*, *M. glauca*, *M. Yulan*, *M. tripetala*, etc., have not suffered in the least degree. The plants of the common Furze, *Ulex Europæus*, had to be cut back to the ground level, but they are now putting forth young growth. *Cercis Siliquastrum* and *Carpinus betulus* var. *quercifolia*, have the upper parts of the crown completely frozen; but all other fine species of shrubs and conifers have escaped damage, such as *Ceanothus Americanus*, *Zelkova Keaki*, *Exochorda grandiflora*, *Chionanthus virginica*, *Halimodendron argenteum*, *Cunninghamia chinensis*, *Cedrus Deodara*, *C. atlantica*, *C. atl. glauca* and *C. Manetti* and *Pinus Jeffreyi*, which in most districts must be more or less protected, are at Karlsruhe not protected at all. A correspondent resident at Schlachtensee near Berlin states that at that place there is scarcely a trace of injury from frost although no protection worth mentioning was afforded.

Of roses the chief sufferers are several of the newer Hybrid Teas. Unprotected the following roses are uninjured; the climbing varieties, *Aglaia*, *Ruga*, *Belle de Baltimore* and *Tausendschon*. The first named is a remarkable variety, and splendid for covering a veranda—the bud on opening of a canary yellow tint, changing later to white, and possessing a delicious Tea fragrance. The dwarf roses, *Frau Karl Druschki*, *W. Allen Richardson*, *Mlle. Francisca Kruger*, *Mme. Jules Grolez*, *Gloire de Dijon*, *Reine Marie Henriette*, *Grace Darling*, *Mme. Thibaut*, *Mme. Ravary*, *Yellow Kaiserin*, *Grossherzogin Alexandra*, *Clara Watson*, *Mme. Levavasseur*, *Annen Muller* and *Gruss an Teplitz* are flowering abundantly. Of shrubs plants of *Exochorda grandiflora*, and likewise *Rhododendron* are uninjured, and are flowering well. The first named has been unprotected for a period of eight years. Among Conifers several *Picea sikhensis* only, were killed by frost.

Andrueck Mowre

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURALISTS

Preliminary program of the Twenty-fifth Annual Meeting and Exhibition to be held at Cincinnati, Ohio, August 17th, 18th, 19th and 20th, 1909:

Preliminary Program.

TUESDAY, AUGUST 17, 1909. First Day—Opening Session.

1.30 P. M. Organ Concert.

2.00 P. M. President Valentine's address. Report of the Committee on President's Address. Discussion. Reports of Officers, Committees, etc. Miscellaneous Business. Judging of the Trade Exhibits.

8.00 P. M. President's Reception. President Valentine hopes to meet as many as can attend and wishes it distinctly understood that formal dress is not expected, but that the most comfortable costume will be the most appropriate.

WEDNESDAY, AUGUST 18, 1909. Second Day—Morning Session.

9.00 A. M. Organ Concert.

9.30 A. M. Illustrated Lecture, "The Value of the Recent Work in Heredity to the Practical Flower Breeder." By Jesse B. Norton, Washington, D. C. Discussion. Question Box.

11.00 A. M. Selection of Next Meeting Place. Polls Open One Hour. Nomination of Officers for 1910. Reports of Judges of Trade Exhibits. Annual Meeting Ladies' Society of American Florists.

Second Day—Afternoon Session.

2.00 P. M. Organ Concert.

2.30 P. M. "The National Flower Show—Past and Prospective" and Special Matters.

Second Day—Evening Session.

8.00 P. M. Illustrated Lecture—Color Photography. J. Horace McFarland, Harrisburg, Pa.

THURSDAY, AUGUST 19, 1909. Third Day—Morning Session.

9.00 A. M. Organ Concert.

9.30 A. M. Address—"Some Work of the U. S. Department of Agriculture as Affecting Floriculture." By B. T. Galloway, Washington, D. C. Discussion.

10.30 A. M. Election of Officers. Polls will remain open two hours.

Amendment to the By-Laws.—The following amendment having been submitted to the Executive Board and accepted by them, will be voted upon at this time:

Amending Article 4, Section 2, as amended previously at Niagara Falls in 1908, by striking out the figures \$25.00 in said article as above amended, and inserting in place thereof the figures \$50.00, meaning and intending to advance the fee for Life Membership from \$25.00 as now obtaining to \$50.00. The Question Box.

Third Day—Afternoon—No Session. Bowling Contest and Other Sports.

2.00 P. M. Meeting of the American Carnation Society.

2.45 P. M. Meeting of the American Rose Society.

3.30 P. M. Meeting of the National Sweet Pea Society.

4.30 P. M. Meeting of the Florists' Hail Association.

Third Day—Evening Session.

7.30 P. M. Organ Concert.

8.00 P. M. Paper—"The First Meeting of the Society." By the First Secretary, E. G. Hill. Address—"What the Society has Accomplished in Twenty-five Years." By J. C. Vaughan. Addresses by Past Presidents.

FRIDAY, AUGUST 20—Fourth Day. In the hands of the Cincinnati Florists' Society.

Transportation.

Applications for special rates have been refused by all the traffic associations. It is pointed out that special summer rates are in effect to all the large cities at very much reduced rates.

Chicago.—The Chicago delegation and all others desirous of joining them will leave Chicago August 16, afternoon or 12 p. m. midnight (it is as yet undecided which), via Monon R. R., by special train. Address: P. J. Foley, 26th street and Western avenue, Chairman of Transportation Committee, for full particulars.

New York.—The convention party will travel by N. Y. Central R. R. Address: John Young, Secretary, 51 W. 28th street, for full particulars.

Buffalo.—Address W. F. Kasting, 383 Ellicott street, Buffalo, for particulars.

St. Louis.—Address F. H. Meinhardt, 7041 Florissant avenue, St. Louis, State Vice-President, for particulars.

Kansas City.—Address W. L. Rock, 1116 Walnut street, Kansas City, State Vice-President, for full particulars.

Washington, D. C.—Address W. F. Gude, 1214 F street, Washington, D. C.

Trade Exhibition.

The trade exhibition will occupy two floors of the Music Hall. Abundant space is available and perhaps no more advantageous location has ever been at the disposal of the society for its exhibition.

This being the 25th meeting of the society and it being in so central and accessible a point as Cincinnati, all indications are for a record-breaking attendance and the value of an exhibit to those having horticultural products for sale can hardly be overestimated.

Growers of plants, seeds, bulbs, shrubs and trees, dealers in florists' supplies, greenhouse requisites, building material for greenhouse construction, heating apparatus, etc., can here meet the best buyers in the horticultural profession, and no better opportunity for directing attention to the special merits of their goods can be found.

N. B.—Exhibitors are reminded that the duties of the judges are limited to the consideration of and making of awards to Novelties and Improved Levees only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from William Murphy, Superintendent, 311 Main St., Cincinnati.

A Word From President Valentine.

To The Members of the S. A. F. and O. H.:

I hope each member of the society is not only planning to attend the coming convention in Cincinnati but that he is doing his best to secure a good delegation from his vicinity. Come yourself and bring your friends, whether they belong to the society or not. After you get them there call for help if necessary to induce them to join and we will furnish you spellbinders who will complete the work you have begun. Some one will be at Secretary Rudd's desk all the time with a welcome smile for the new member and a receipt for his money.

The Cincinnati contingent are taking great pride in the fact that their city has been selected as the place for the twenty-fifth convention and their plans show that they are bound all visitors shall have a good time. The hall for the meetings is a perfect gem of a tiny theatre. Nothing could be better for the purpose and space has been provided for the largest trade exhibit ever seen at one of our conventions.

The "Sports Committee" are wild to receive your entries. No matter whether you have a good bowling team or a poor one get into line with it and show how game you are. Denver is going to send five bum bowlers just to show that a little matter of three thousand miles round trip cannot keep her florists from getting into the game. Don't hold back and say it is too hot for that is a poor excuse for a man to make, when if he stays at home he will be wheeling out soil from a house where the mercury marks 120 degrees. The Cincinnati crowd promise you several occupations more pleasant than that.

No matter how small your business you simply cannot afford to stay away. Remember that the big fellow can go to visit good growers one by one if he prefers, but the chance for the small growers to pick up a few good points at small expense is at these conventions and then when you get there just look around and see how many of the big ones make money by doing the same thing.

Step to the telephone right now and ask a lot of the fellows to come down town tonight and talk it over and see if you cannot bring a good crowd with you.

Yours for a big convention,

J. A. VALENTINE, President.

Cincinnati Convention Notice.

To all florists who contemplate visiting Cincinnati during the Convention of the Society of American Florists and Ornamental Horticulturists, and who are not members of the National Society, it will be absolutely necessary upon your arrival in Cincinnati to go to the headquarters of the Cincinnati Florists' Society at the Sinton Hotel, Fourth and Vine streets, and register. You will then receive a ticket which will admit you to the Trade Exhibit at Horticultural Hall, where you will again register with the Secretary of

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One of the largest and best hotels in the city. Over 200 fine suites of rooms with private baths, and 150 rooms with hot and cold running water. All modern comforts and conveniences.

SPECIAL RATES TO THE FLORISTS as follows:

American Plan: \$2.50 per day and up.

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Make the BURNET headquarters for yourself and friends. You will have no cause to regret the choice.

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T. J. CULLEN, = = Manager.

the Cincinnati Florists' Society, who will provide you with tickets, badges, etc., for the various entertainments.

ALBERT SUNDERBRUCH,
Secretary.

Hotels in Cincinnati Recommended by The Cincinnati Florists' Society.

The Sinton, European plan, \$1.50 per day and up.

The Grand, European plan, \$1.00 per day up. American plan, \$2.00 to \$3.00.

Gibson House, European plan, \$1.50 per day up.

The Havlin, European plan, \$1.50 per day and up.

Burnet House, American plan, \$3.00 per day.

St. Nicholas, European plan, \$1.50 per day and up.

Palace Hotel, European plan, \$1.00 and up; American, \$2.00 to \$3.50.

The Emery, Honing, Lackman, and Gerdes are \$1.00 a day and upwards; the Rand and the Stag are 75 cents and upwards and the Bristol and Hotel Thoma, 50 cents and upwards, all on the European plan. The Munro is \$1.25 and upwards, European plan, and the Alms \$3.00 on the American plan.

The New Orleans Vegetable Growers' and Shippers' Organization had a festival day on July 19, which included a procession with numerous halts en route, finally winding up at the establishment of J. Steckler Seed Co., where an elaborate lunch was served and a souvenir badge presented to each guest. The association dinner was served at Southern Park with John Parr as toastmaster. The trade connections which the association has established with the north are constantly broadening.

HORTICULTURAL SOCIETY OF LAKE FOREST.

Always a notable event, the annual exhibition of the Horticultural Society of Lake Forest, Ill., last week, was unusually so. It was held at Durand Art Institute, July 21st, and its patrons were the society folks of the famous north shore. They are largely people of wealth and the cut flowers, potted fruit trees, baskets of out-door blooms and choice plants and vegetables were from the conservatories and gardens of people who are not sparing time or money to produce the best. Their gardeners are encouraged in every way to put forth every effort to reach as near perfection in their art as possible.

Among the notable exhibitions was a collection of foliage and decorative plants, pear, peach, apricot, apple and fig trees in pots, by Mrs. A. B. Dick, which was awarded a gold medal. Her collection of crotons, fancy leaved caladiums and orchids is said to be the largest in the state. Mrs. C. H. McCormick had a collection of hardy flowers and ferns from her summer home at Walden. Mrs. Ernest Hamill had a fine collection of pansies and other flowers. Mrs. Byron A. Smith a rare collection of hardy plants, trees, shrubs, etc., from Brier Hall. Mrs. L. T. Swift vegetables and flowers from Westleigh. It would be impossible to enumerate all the displays, all of which are well worth while, did space permit. Emil Bollinger, organizer of the Horticultural Society of Lake Forest and its first president, is a hard and enthusiastic worker and deserves much credit for its success.

The only fault to be found with the exhibition is its brief duration, prac-

tically limited to one afternoon and evening. The proposition of making it hereafter a three days' event was discussed at the close of this show and the matter will be taken up again later when it will probably be definitely decided in favor of the extended time.

PHILADELPHIA FLORISTS' CLUB.

The regular monthly meeting of the Philadelphia Florists' Club will be held on Tuesday evening, August 3, at 8 p. m. There will be no formal paper at this meeting, the time being required for discussion of convention matters. The transportation committee will announce final decision as to route, fare and time with details. The sports and hotel committees will also report. As far as known at this writing the bowling team will consist of Messrs. Westcott, Anderson, Kift, Connor, Batchelor, and possibly Graham or Robertson. The latter two while competing in the trials are doubtful about going.

AMERICAN ROSE SOCIETY.

The preliminary schedule of the proposed classes and premiums for the exhibition to be held in New York City in March, 1910, has been received from Secretary Benjamin Hammond, and is good evidence that a big effort is to be made to make the show one of the highest merit and usefulness. There are a number of very large and tempting prizes for specimen rose plants in all classes and as it is already time for those who would like to compete to begin preparations we would advise all who are interested to send to Secretary Hammond for a copy of the schedule.

AMERICAN PEONY SOCIETY.

Report of Committee on Nomenclature.

It has been suggested that as one of the committee on nomenclature, sent by the American Peony Society to assist in the work among the peonies at the Cornell test plot this season, it would be well for me to give an account through the columns of Horticulture, of the work done and the condition of the peonies in the plot as we found them, for the benefit, not alone of the members of the society, but the large number of florists who are more or less interested in peonies and the work of the society. I am glad to do this, especially in view of the criticisms which have been made by some members of the society, which were voiced and made public in President Ward's letter, read to the society at its last meeting at Queens, N. Y. Mr. Ward, of course, has not seen the plot for two years, and his impression regarding the conditions at Cornell has been formed from hearsay and without being aware of the great improvement which has been brought about during the last year.

Unfavorable Conditions.

It might be well for me to mention the basis from which these criticisms have arisen in order to make it more clear that it was due to a few circumstances at the very beginning, which, while unfortunate in delaying the work, were unavoidable, and for which no one could justly be blamed. It must be admitted that the first results were disappointing, because the peonies were unfortunately planted at a location that was later on required by the college authorities for other purposes, making it necessary to move them to another place. This gave the plants a check from which they had not recovered when the meeting was held at Ithaca in 1907, and it was at once seen that it would require another year's growth before it would be possible to study the peonies properly. Members who came expecting to see a fine display of peonies in the field were disappointed. The ground was a very stiff heavy clay, which seemed as if it might be too wet, and many members expressed the opinion that peonies would not thrive there unless the field was thoroughly drained. This opinion seemed verified when the following year, 1908, after a cold wet spring, the majority of the plants still failed to show typical blooms.

In spite of all, the meeting in 1907 turned out to be a very interesting one, and the members went home full of enthusiasm and the conviction that the work was well on its way to a successful conclusion. We felt deeply

indebted to the University for the work it was doing for the society, to Prof. Craig for his co-operation and hospitality, and Dr. Coit for the thorough manner in which he had gathered together all of the known peony literature and laid the foundation for effective work, including the publication of the check-list, containing a list of all the names of the peonies catalogued at the present day, some 2700 in all, a large proportion of which were represented by the plants themselves in the test plot.

It was suggested that a new plot be planted, this time the object being to form a collection of only the very choicest varieties, each large grower being invited to send from 100 to 150 of what he would consider the very best varieties. This suggestion was carried out, and the following fall collections were sent in by a large number of growers, the new plantation being placed along side of the old one, but on ground lying a little higher.

Some Disappointments.

The meeting in 1908 turned out most unfortunately for the welfare of the society. President Ward was unable to be present; Prof. Craig was in Europe dangerously ill; Dr. Coit had accepted a permanent position in Arizona, and the work of the society was in charge of Leon D. Batchelor who had but recently taken charge having had scarcely time to become thoroughly conversant with the work in hand. The result was depressing and discouraging for the society, and the situation for Mr. Batchelor a most embarrassing one.

The peonies in the original plot again were not up to expectations, and it is scarcely to be wondered at that under the effect of so many depressing circumstances some of the members should become impatient and indulge in open criticism. For it seemed to many of us then that the University had lost its interest and that there was danger that the whole purpose of the experiment would fail.

Suggestions were made by some that the peonies be moved to a more favorable location, and by others that the old plot be abandoned and the work concentrated on the new plot. Fortunately neither of these suggestions was carried out, it being decided that it would be unfair to the original donors to fail to carry out the test along the lines originally planned.

A committee of three was appointed—C. W. Ward, S. G. Harris and myself—to devise ways and means of improving the conditions of the plot, and to confer with the college authorities on this subject. This committee met in Mr. Ward's office in New York and discussed the subject, with the result that Mr. Brown of the Cottage Gardens Co. acting for Mr. Ward, and myself were to send a letter to Prof. Craig after his return, conveying the suggestions we had to offer. This letter, however, was never sent, as in the meantime through correspondence with Mr. Batchelor we learned that practically everything it was our intention to suggest was already being carried out under the direction of Mr. Batchelor, the college authorities having given him full charge and power to do everything which in his judgment was required for the good of the peonies. Provision had been made for drainage, and over 80 loads of manure hauled on the plot. Any further action on our part was deemed unnecessary.

A Splendid Success This Year.

This year the peonies made a splendid showing. They are strong and healthy and with but few exceptions are full of typical blooms, which gave us a splendid opportunity to study them and make comparison. What is most surprising, the strongest plants and finest blooms are in the portion of the plot that came in for the greatest amount of criticism, that is the very lowest point in the field. Here some of the very choicest varieties are found, many of them from the collections received from Europe. Avalanche, Albatre, Mlle. Rosseau stood nearly



FLORAL DECORATIONS AT ALASKA-YUKON-PACIFIC EXPOSITION

Showing Bed of English Tufted Pansies (*Viola connata* Hybrids) with Background of Peonies.

shoulder high with immense blooms, which were a revelation to me. Great clumps of full double Martin Cahuzac, varieties which in our nurseries are never allowed to stand long enough to show us what they really are; the Lady Alexander Duff, sent by Thurlow, with its immense white blooms was particularly noticeable; all growing in the ground condemned the year before as being absolutely unfit to grow peonies in.

Another point which I took particular notice of was the fact that the colors of most of the varieties were especially strong and distinct, all of which goes to show that while it takes peonies longer to establish themselves in the heavy clay, the strong soil produces excellent results when they are finally underway. My only regret was that the other members of the society could not have seen them this year instead of last.

I wrote to Mr. Joseph Dauphin asking him if he had any suggestions regarding this report. I can not resist quoting the following from his letter in reply, dated July 16: "I have no suggestions to make, as I think whatever you say on the subject will be the same that I would say. For the general appearance of the plants, either as a whole or individually, I had no kick coming. The plants were strong and healthy, and flowers in as good shape and size as could be. Very few weeds, and the ground had been well cultivated. I am pretty well satisfied with the looks of the plot this year. I know the difference between that clay soil and our sandy loam at Long Island. They may on their lot sometimes be unable to cultivate or weed out, just on account of the weather. Not taking account of the mixture of varieties which was done by everybody I say the lot is O. K. And, moreover, I believe Mr. Batchelor is doing his very best in the case and I am sure will keep up.

"As regards drainage, what do they want to drain, pocket book or lot? Neither needs it, I think. There is, it is true, a low corner in the plot, where Goos & Koenemann's plants are but they seem to enjoy the spot. I wish you would in your report emphasize the pains Mr. Batchelor is taking in this work. My way of looking at the whole situation is not of censuring any one, but just the other thing—congratulations for the work done."

What Mr. Batchelor Has Done.

When we arrived we found Mr. Batchelor among the peonies with two competent assistants who were aiding him in tabulating descriptions of the varieties in bloom. A tent had been erected, and everything necessary for carrying on the work was right on the ground.

There are 1,933 numbers in the original plot, and to go over each of these one by one seemed like a hopeless task. The mix-up of varieties and names is appalling. I don't believe the members of the society begin to realize how bad it is; I am sure I did not. But there they were side by side all in bloom. And by the evidence we were all guilty. It is impossible to go into details, but here are a few illustrations; *Edulis Superba* appears under 24 different names, and I don't know how many got away. Nearly all the *l'Esper-*



BEDDING ROSE CLIO

in New Rose Garden in Minneapolis Park.

ence sent by American growers is *Edulis Superba*. The European growers sent the correct one, a fleshy white minutely powdered with lilac. *Duchess de Nemours* (Guerin), in every case proved to be *Edulis Superba*. *Modesta Guerin* and *Rosea Superba* proved to be the same; while *Gen. Bertrand* in many cases appeared under the name of *Modesta Guerin*.

Probably *Queen Victoria* or *Whitley* could lay claim to the greatest variety of names, unless perhaps among the reds with stamens, where the greatest confusion exists, *Delachii*, *Fulgida*, *Louis Van Houtte* and others being badly mixed. *Lady Bramwell*, long catalogued as a *Kelway* introduction, proves to be in every case identical with the old French variety, *Dr. Bretonneau* (Verdier), and so on.

The check list with its 2,700 names staggers one. But at the above rate, I believe it can be reduced to one-fifth that number by the process of elimination.

Naturally this thought will arise in the minds of many, How can the committee be sure they are able to say which is the correct variety among such confusion? At first it seemed impossible. But on getting down to work, strange to say, the very confusion in many cases brought about the natural solution of the problem. The positive identification of a variety in one place solved the question in a host of others, and as we advanced through the plot the work became clearer and clearer, from the simple fact of having all the evidence gathered together before our eyes.

It was a master-stroke on the part of Mr. Ward when he induced the most reliable European growers to send their collections over here. We have *Dessert's* complete collection, in addition to that of *Croux*, and *Paillet* of France, *Goos & Koenemann*, Germany,

Barr & Sons of London, and *DeGraaff Bros.* of Holland, this last collection being obtained through the efforts of Prof. Craig. These collections have proved to be a wonderful help in this work, without which I am convinced it would have been impossible for us to make much headway.

The Work Ahead.

The work naturally resolved itself into three parts: First, varieties which can be identified without much difficulty and which we were able to pass upon as being correct without much doubt; second, those varieties which for various reasons will require more study or regarding which we had no data to work upon; third, varieties with names of uncertain origin, that probably it will never be possible to identify, and which are of such doubtful value as not to be worth the time and effort necessary to establish their identification, even if it were possible.

Of the first group Mr. Batchelor writes that he thinks the list will number 275 varieties, descriptions of which will be published by the college during the coming winter. It is the intention to start a new plot wherein three plants of each of these 275 varieties will be planted to serve as a basis of comparison for future work and to show the members of the society the true variety so far as the committee is able to judge, subject to the correction of any errors which may be discovered before the official catalog is finished and permanently published.

The third class will be eliminated from further consideration, except as identification follows in the natural progress of the work, leaving only the varieties in the second class upon which the work of the committee will be concentrated next year.

Prof. Craig says that the University

has taken hold of this work, backed by the State of New York, and they will carry it to its final conclusion, even if the Peony Society should go out of existence. They have already spent over \$700 on the Bulletins printed for the society. Several acres are occupied by the peonies, the use of the land and its care being no small item.

Mr. Fewkes, secretary of the Society, in a letter just received writes as follows: "I think the society does not realize what is being done for it by Prof. Craig and his assistants, and what little experience I have had in such matters leads me to believe that the nomenclature business would soon be in the same condition in which the peony committee of the S. A. F. find their efforts, had it not been for Prof. Craig. I am glad the Society conferred honorary membership on Mr. Batchelor. And, when they come to realize the amount of work he is doing, I think they will be glad to honor him in any way that seems fit."

Prof. Whetzel gave me an interesting account of his experiments with club roots or nematodes as some call them. He has a choice collection of these growing in his garden for experimental purposes, and seems in a fair way to solve this problem.

In conclusion, I wish to say that it seems to me every florist who grows peonies commercially, and every amateur whose special hobby is peonies, will find it to their advantage to assist us, not only by joining the society, but by giving us the benefit of their observations. It is surprising how much the growers have learned individually during the last few years, many of the errors which stand forth so conspicuously in the Cornell plot having long since been corrected in the catalogues of the donors, but there is still plenty of work ahead.

BERTRAND H. FARR.

Reading, Pa.

ROYAL HORTICULTURAL SOCIETY.

The fortnightly meeting held July 20, although it followed so closely on that held at the Holland House, showed no exhaustion of the spirit of competition in plants beautiful and economically useful. Roses were there in greater beauty than on the earlier date, thanks to the improvement in the weather conditions of the last week, which have been quite delightful, and have perfected the blooms; Delphiniums have come along wonderfully, the flower spikes being unusually long and massive; Eremurus were very finely developed in the genial warmth. Carnations, florists' border varieties as well as the hybrid perpetuals, were very fine, only here and there among dark colored flowers showing signs of burning. Sweet peas were abundantly shown and of these charming flowers we seem to have got to the full extent of their possibilities in coloring and fine form. For about a month or two there arises a dearth of showy orchids at this season and not many were presented on this occasion and but few which could be termed striking in any particular.

Of fruits an extra fine collection of tomatoes was made by Messrs. Sutton & Sons, and of fan trained and cordon gooseberry trees; of peaches, nectarines and cherries in pots by J. Veitch & Sons.

Of orchids Sir Jeremiah Colman was awarded an award of merit for a plant in bloom of *Spathoglottis plicata alba*, the flower having a diameter of 2 inches surmounting a stem of 1 1-4 ft; and a Botanical Certificate for one of *Nephrolepis pulchrum* having a spike of white flowers on a short foot stalk, and leaves with dark marbling.

F. Sander & Sons exhibited a plant of *Odontoglossum ardentissima* "Starlight" having striking flowers 3 inches in diameter, white with a tinge of lilac

pervading the middle area of the petals and sepals, with purple spotting; Award of Merit. *Cattleya gigas Sanderiana* had a superb spike of blooms; *Laelio Cattleya Ophir* has a flower whose petals and sepals are of a rich yellow, and lip of a rosy yellow tint, traversed with crimson lines. It is the outcome of a cross of *Laelia xanthina* with *Cattleya aurea*. W. Bull & Sons showed some crosses of *Laelia xanthina* with *Cattleya Mossiae* with pale, rather unattractive flowers, which seen in large numbers on big old plants would not be without decorative value.

Wallace & Co. exhibited a dwarf growing lily, of the umbellatum type, and named Orange Queen, the blooms measuring 6 inches in the full spread of the petals.

Mr. J. Unwin had an extensive exhibit of sweet peas, of which worthy of mention were Ella Dyke, a good white flower; Gladys French, light blue; Elsie Herbert, pink and white, lavender sky blue; Sunproof, bright scarlet.

Mr. Smith, gardener to Mr. G. Ferguson, Weybridge, showed an extraordinary variety of Delphinium named Nulli Secundus, pure white with a mass of perfectly black stamens. The flowers are 2 1-2 inches in diameter and quite unique in appearance. The exhibitor has been engaged in crossing the genus for many years and he has succeeded in raising a number of fine varieties, but none equal to this one.

Messrs. Paul, Waltham Cross, were exhibitors of roses as cut blooms and plants. Novel were Graf In Icy Hardegg, a flower of the build of *Grus* an Teplitz, rosy crimson in color; Hugo Roller, white centre and cerise outer petals; Madame Maurice de Luze, a flower of beautiful shape, and in color deep rose pink; Madame Jules Grolez, old rose pink, and *Grus* an Sangerhausen, a flattish flower, in color a purplish crimson.

FREDERICK MOORE.



ODONTOGLOSSUM CRISPUM VAR. E. B. DANE
Julius Reehrs Co.

NURSERYMEN PULLING TOGETHER.

A paper read before the National Association of Nurserymen by J. H. Dayton, of Painesville, O.

We have been assured that there is never too much of a good thing, yet have sometimes thought that a reduction in the number of nurserymen might be a benefit to the trade. Yet when we consider the joys that flow into his life, how near he is to nature's heart, how calm, sweet and peaceful an existence he leads, how cares, worries and perplexities skip him by, the wonder is not that we have so few but that many more are not scorning the temptations to engage in some well organized, well conducted business with established customs, rules and regulations, and becoming a free lance in the tree world, where every man can be a law unto himself, and unlimited competition takes the place of organized effort.

It certainly is fine fun to chase the elusive woolly aphids to his lair with a swab of fish-oil, to bend the gentle swaying branch of the cherry or apple heavily laden with black or green aphids down into the depths of the pail of tobacco-juice, to listen to the wily tree buyer, as he calmly convinces you that the trees you thought were worth 15 cents on your grounds are in reality high at 7 1-2 cents, boxed and freight paid; to open the letter dated April 7th, saying: "Gentlemen—We have as yet received no notice of shipment of our trees, as per our order of the 5th. We call on heaven and earth to witness that everything else ordered the same date is in, that it is impossible to bill up a single order until your shipment is received, and eternal and everlasting ruin is our portion, unless your shipment reaches us at once." You grab your telephone, order the foreman to drop everything else and rush the shipment off. The next letter opened is from the same firm, ordering a long list of assorted stock to be shipped with their first order.

To judge from the letters published, the papers read at some of the fruit growers' and horticultural societies, the remarks made and laws introduced into some of our legislatures, the sole object of every nurseryman is to do up his customers, mislabel and kill as many of his trees as possible before shipment. The truth is, that outside of the few genuine mistakes that are bound to occur in any business, the swindling dealer or nurseryman is able to carry on his operations only by the ignorance or cupidity of the buyer, and the customer who will use as much brain work in buying nursery stock as his wife does in buying clothing for the kids will get what he buys and pays for. However well-established, our reputation seems to be for deeds that are dark, do you not think that a little honest striving together might eliminate some abuses, destroy some bad habits and set us a little nearer right in the eyes of the consumer?

We will all agree that taking into consideration the inevitable risk in growing and handling perishable stock, the experience and care that must be exercised to produce good stock, the capital that must be provided and locked up in growing blocks for from one to ten years or more, that the re-

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and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
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turns are not and have not been at all commensurate, and that in any series of years, more stock leaves the actual grower's hands at an actual loss than at a profit. Whoever heard of a rich nurseryman who obtained his filthy lucre from the profits in growing stock? Who is to blame? Well, you and I, if we are honest about it, will shoulder the responsibility and acknowledge it is our own fault. We cannot figure to a certainty the cost of our products, as does the manufacturer, who is able to control conditions and to insure both his finished products and raw material, but can we not establish a table of values and fix a basis below which everyone will understand he is selling at a loss? Can we not educate ourselves as to the true value of our stock and the amount we must procure, if it is sold at a profit? In fact, do you not know that active, intelligent co-operation among nurserymen could be made to establish confidence among ourselves and in our dealings with the public?

Commerce is not war, and the good bargains benefit both parties. I understand the first fruit trust was organized in the Garden of Eden, with his Satanic Majesty as promoter. Perhaps the disastrous result of that speculation is one of the reasons why it seems almost an impossibility to secure active, honest co-operation amongst the growers of agricultural and nursery products.

I remember hearing Mr. Collingwood make a statement something like this: "If you should lock up seven farmers (he might have said nurserymen) in a room, give them a week to deliberate and their choice of coming out to pool their issues, buy and sell their products as one, directing one or two of their number to attend to their business as officers, or to be hung, there would be seven hangings on the seventh day."

Is not now a good time for concerted action in a common cause? Cannot we agree on some things that we know and acknowledge to be wrong? Eliminate and bury them so deep that their specters will never again trouble even the dreams of our trade. Cannot a few things that we all know would improve our business and put money in our pockets be adopted and lived up to by enough of our members to make them so essentially the rules of our trade that no one will think of breaking them?

What about price lists? Like some minister's texts, are they not often used only as a point of departure, only we run prices down while the Reverend is trying to elevate. What about the price list of steel or iron, or a thousand other manufacturers? In what other convention in the world could I step from the platform and receive such a variety of prices on what purported to be the same article, and on what other commodity would there be such a diversity in grade or value when delivery was made?

If you knew nothing about our business, and was made a trustee of some institution, who desired a bill of trees for their grounds, and you made up a list and asked prices, and received bids offering exactly the same lot of stock at from \$318 to \$675 and every offer from a reliable house, long in the business, well quoted in commercial reports and capable of filling their contracts, what would you think of the business sense and sagacity of the organized nurserymen?

(To be continued)

EVER TRIED JAPAN GROWN CALLAS?

If not, try them to convince you of their superior quality. Not affected by disease. Bulbs very solid, grown one season in loam to make them fit for long voyage. Shipment expected end of July. Prices on application.

THE YOKOHAMA NURSERY CO.
31 BARCLAY STREET, NEW YORK

Mum Canes

What you want now

7 to 8 ft. \$7.00 1000

Wm. Elliott & Sons
42 Vesey St., New York

Seed Trade

Seed Trade Latitude.

"Eastern seed dealers are fast losing their supremacy in the seed business of the country," said C. N. Page, president of the Iowa Seed Company, who has just returned from a two weeks' visit in the east. "It was but a few years ago when the east had all the seed business," continued Mr. Page, "but the west is now taking the rank which it should have in this line of business."—Des Moines, Ia., News.

There are houses in the seed trade that stand so high that they do not only a continental but a world-wide business. Many more cover the whole United States. Still more numerous are those who operate in given sections—as the New England, the Middle Atlantic states, the north west, the west, the south, etc. But the great majority of houses cater to a distinctly local trade—mostly within a radius of a hundred miles of some populous center. The latter class has naturally been increasing wherever the growth of population has been most manifest. This is not a case of "supremacy," or lack of it, for the East or West; but merely a case of healthy and natural evolution. Wherever a good local concern establishes itself, it ought to get a great deal of the business that would otherwise go further afield. But much of this is new business, and with population increasing elsewhere there is plenty of business for all—including the big continental-houses. What the latter lose in one direction they gain in another. To talk about "supremacy" of one section over another, as Mr. Page is reported to have done, is as incorrect as it is misleading. That rivalry in well-doing (the giving of agriculture and horticulture the best quality of seeds that brains, energy and capital can produce) of one section with another should ever cease, would be a calamity to the welfare of the whole country—aye, even the whole world. The "supremacy" of one section over another—or in other words the "monopoly" of the trade of one section by any other agency than "quality" would be the most disastrous thing that could happen to the citizens of any community. But, happily, such is impossible; climatic conditions form the bulwark; as the best quality in any given item has usually to be sought for at points thousands of miles apart. So in reality there is no such thing as "supremacy" in the sense meant by Mr. Page. "Supremacy in quality," on the other hand, knows neither latitude nor longitude. It was a "wild and wooly" remark, and one can only hope that Mr. Page was incorrectly reported. G. C. WATSON.

A Short Crop of Peas and Beans.

There is no longer any doubt that we are again slated for a short crop of peas. The only question now is, what will be the extent of the shortage? Several reports from trustworthy sources are to the effect that the shortage will be as severe as last year, and particularly on early sorts. This is most unfortunate for the growers, as the repeated shortages have so disappointed and disgusted the farmers that they are practically in a state of revolt against growing peas and beans, for while beans have not reached the stage of maturity that peas have, the conditions affecting them are very bad, and that there will be a heavy short-

GIANT PRIZE PANSY SEED

Our Giant Strain of Pansies should not be compared with the ordinary Giant Grimardeau, as the seed we offer will produce flowers of much heavier texture.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Azure Blue.....	.40	\$2.00	Peacock.....	.50	\$4.00
Black Blue.....	.40	2.00	Snow Queen.....	.40	2.00
Emperor William...	.40	2.00	Striped and Mottled	.40	2.00
Hortensia Red.....	.40	2.00	White with Eye.....	.40	2.00
King of the Blacks...	.40	2.00	Pure Yellow.....	.40	2.25
Lord Beaconsfield...	.40	2.00	Yellow with Eye....	.40	2.00

Mitchell's Giant Exhibition cannot be excelled for large size, heavy texture and beautiful colors. Trade pkt. 50¢; 1/2 oz. per oz. \$5.00.

Write for our Midsummer Wholesale Catalogue.

Henry F. Mitchell Co., 1018 Market St., Philadelphia, Pa.

age is the practically unanimous opinion of everyone familiar with the situation. The writer saw a letter from one of the most prominent growers, stating as a fact that beans which had been in the ground nearly four weeks had not even sprouted. Of course, the recent rains will probably start germination, but such a crop is a forlorn hope at best, as it would be a race with Jack Frost in which the latter would rule favorite at 100 to 1. There is practically no chance of such a crop maturing seed, and all indications are that beans will rule much firmer and higher than last year.

As usual the heaviest shortage in peas will be in the canners' varieties and the Dwarfs. Rains of the past ten days will be of benefit to many of the late varieties which had then just come into blossom. They will also indirectly aid many of the medium early sorts by arresting further deterioration, but with reference to first and second earlies, the crop is made and quite beyond help. It only remains to ascertain what has been saved.

Several authorities estimate the yields of Alaskas, Extra Earlies, American Wonders, Notts' Excelsior, Gems, Gradus, Laxton and others of this class at 2 1/2 to 3 fold. Later varieties are expected to average half to one fold better. Canada Field will be very short again.

California Seed Crops.

With reference to California crops, sweet peas will be fair to good. Lettuce excepting a few varieties promises well. There will be enough onion seed to satisfy the cravings for this odorous but popular vegetable, and no famine prices are likely. The whites and flat reds will be a little on the short side, but not enough to cause alarm. Radish will be a fair crop and as for beets and carrots, California's quota in the grand total is not a very important factor. As to Lima, and other varieties of seed beans grown in California, conditions are as a rule distinctly favorable. Reports all say the stand is much better than a year ago, though as has been more than once pointed out in these columns, no crop of either peas or beans is actually safe until housed. On more than one occasion, both in California as in the East, a fine crop has been ruined by rain at harvest. Actual conditions at time of writing is all that can be given, and this should be borne in mind.

About Vine Seeds.

Vine seeds are generally promising at this date, and in the West, sugar corn is looking well. The outlook in the East is not so good, but not quite

hopeless. This is a fair summary of the leading stocks at this time.

Notes.

Percy Milks of E. Randolph, N. Y., has taken a position with the Randolph Seed Co., Louisville, Ky.

Kansas City, Mo.—Heller & Co. have opened a branch store for the sale of their nice proof seed cases, store fixtures, etc.

Webb City, Mo.—The seed store of the Tucker Seed Co., has been closed for the summer but will be opened again in the early fall.

The law suits between C. P. Braslan, of The Braslan Seed Growers Co. San Jose, and The A. G. Pieters Seed Co. Hollister, Cal., have been compromised and settled out of court.

It is hoped that Mr. F. W. Bruggerhoff will return with health fully restored. His popularity has vastly increased in these later years and he may be called "The Grand Old Man of the Seed Trade."

The recent sad death of Mr. C. W. Smith of the Leonard Seed Co. will be greatly regretted by all who knew him. He was a very bright and capable young man, quiet, refined and very companionable, and his death from any point of view is a public calamity. He was drowned while bathing at Chicago Beach, Chicago, and at last reports his body had not been recovered.

J. F. Noll & Co., Newark, N. J., have incorporated for \$100,000. Names of officers and directors have not yet been published. Something interesting is likely to be heard from this quarter in the near future. There is a broad foundation here for the building up of a splendid seed business, and this is likely to be done. Great credit is due Mrs. Noll, who, with the assistance of her late husband's brother has carried on the business since the death of the former eighteen months ago, with conspicuous ability and success, showing a gratifying increase over the previous year.

CABBAGE. Succession, Flat Dutch and Savoy. \$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self Blanching. \$1.00 per 1000. \$8.50 per 10,000.

PARSLEY. 25 cts. per 100. \$1.25 per 1000. CASH WITH ORDER

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The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

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GIANT PANSY SEED

The KENILWORTH Strain

is unsurpassed; the immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed; 1000, 25c; 2000, 40c; 6000, \$1; $\frac{1}{4}$ oz., \$1.40; $\frac{1}{2}$ oz., \$2.50; oz., \$5.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

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Kenilworth
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LILY OF THE VALLEY PIPS.

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French and Dutch Bulbs

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GIGANTIC PANSIES

can only be produced from the Giant Strains. Our CHALLENGE PANSY seed contains only the giant self colors, the giant striped and variegated and the giant blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

Trade pkt.	$\frac{1}{2}$ oz.	$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., New York City

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Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, $\frac{1}{2}$ oz. in each pkt.; in all, 24 pkts., weight 1 oz. \$7.36
Half Florist Collection—24 pkts., weight $\frac{1}{2}$ oz. \$1.93
Amateur Collection—24 pkt., 500 seeds in each pkt., 12,000 seeds, \$7.50
Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25
Mixture—extra fine, 1000 seeds, 25c.
Exhibition Collection—4 pkt 500 seeds in each pkt., 2000 seeds. \$1.00

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Oz., 75c; 1-4 oz., 25c

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RICKARDS BROS.

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ANT. C. ZVOLANEK

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Pansy, Daisy, Forget-Me-Not, etc.
Lilium Longiflorum Giganteum C. S.
by the case of 300.

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DENVER, COLORADO

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KANSAS CITY, - MO.

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and any town in Missouri or Kansas.

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TAKE CARE OF OCEAN STEAMERS



Can Deliver to
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NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

Of Interest to Retail Florists

PERSONAL.

Arthur O'Brien, florist, of Jamaica Plain, Mass., is spending two weeks at Edgartown.

Edward Duffy, florist, has taken a position with W. C. Porter & Co., Greensboro, N. C.

David W. Duncan, florist, of Arlington, Mass., has been laid up with a sprained ankle for a fortnight.

Fred C. Covell, with J. W. Howard, Somerville, Mass., is spending his vacation with his folks in New Bedford.

Mrs. E. H. Chamberlin of New Bedford, Mass. will start on August 1 on an automobile trip through New Hampshire and Vermont.

W. H. Drake is manager of the floral

STEAMER DEPARTURES

Laurentian, Boston-Glasgow..Aug. 6	Allan.
Philadelphia, N. Y.-Sampson..Aug. 7	American.
St. Paul, N. Y.-Sampson....Aug. 14	Atlantic Transport.
Minnewaska, N. Y.-London...Aug. 7	Cunard.
Minneapolis, N. Y.-London...Aug. 14	Mauretania, N. Y.-Liverpool..Aug. 4
	Saxonia, Boston-Liverpool...Aug. 10
	Campania, N. Y.-Liverpool...Aug. 11
	French Line.
La Lorraine, N. Y.-Havre....Aug. 5	
La Touraine, N. Y.-Havre....Aug. 12	Hamburg-American.
	Pres. Grant, N. Y.-Hamburg..Aug. 4
	K. Aug. Victor, N. Y.-H'b'g...Aug. 11
	Hamburg, N. Y.-Med. Pts....Aug. 14
	Holland-America.
Noordam, N. Y.-Rotterdam...Aug. 3	
Rotterdam, N. Y.-Rotterdam..Aug. 10	Leyland Line.
Cestrian, Boston-Liverpool...Aug. 14	North German Lloyd.
	Krpz. Wilhelm, N. Y.-B'm'n...Aug. 3
	G. Washington, N. Y.-B'm'n...Aug. 5
	Berlin, N. Y.-Med'n Pts....Aug. 14
	White Star.
Cretic, Boston-Med'n Pts...Aug. 4	
Oceanic, N. Y.-Sampson....Aug. 4	
Megantic, Montreal-L'pool...Aug. 7	
Cudric, N. Y.-Liverpool....Aug. 7	

department of the New Hotel Colfax, Colfax, Iowa, and will have charge of the greenhouses when completed.

NEW RETAIL FLOWER STORES.

Cleveland, O.—Jones-Russell Co. .
Seattle, Wash.—Interlaken Nurseries, Pike St.

Mt. Clemens, Mich.—James Taylor, New and N. Gratiot Sts.

INCORPORATED.

Portland, Ore.—Dyer's; florists; H. G. Beyer, Jr., president; Albert W. Dyer, treasurer; capital, \$5,000.

NEWS NOTES.

New Bedford, Mass.—R. E. Nofftz has a unique way of curtailing expenses. He attends to his store personally and keeps it open from 9 to 12 a. m., 3 to 6 p. m. Between store and greenhouse he is a busy man.

Boston, Mass.—Thos. J. Clark has taken temporary quarters around the corner at 229 Berkeley street while his store is being remodelled. A. Coplen has moved to 997 Boylston street. P. L. Carbone will move to 342 Boylston street about September 1.

ALEX. McCONNELL

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Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
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Can be relied upon when you transfer your
retail orders to

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LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Personal.

Peter Scrozynski left on Monday for a trip around the Great Lakes.

C. C. Pollworth and wife, of Milwaukee, have been spending a few days in Chicago.

Geo. Weiland's new store on North Clark street, near Belmont avenue, is ready for business.

Julius Roehrs, Jr., is in Chicago with a superb collection of plants for the Lake Forest exhibit.

J. M. Clark, of the Leonard Seed Co., has returned from a trip through Michigan and Wisconsin.

C. M. Dickinson, manager for the E. H. Hunt Co., has returned from a two weeks' stay at Pelican Lake.

Of the Wittbold force, Mike Pontrich is at Louisville, Ky.; A. Stenquist and E. Doetch are also enjoying vacations.

H. Philpott, of Winnipeg, left Sunday for Toronto and will return to join the Chicago florists in their special car to Cincinnati.

John Fuhrman, 1651 North Clark street, is building a new store, flat and conservatory. He has taken his stock into temporary quarters.

O. P. Bassett, C. L. Washburn and E. B. Bassett started from Chicago July 27, for a thousand-mile auto trip, going as far as Minnesota by one route and returning by another. They will be back in time for C. L. Washburn to go with the party to Cincinnati.

The body of C. W. Smith, whose sad drowning was recorded in last weeks' issue, is still somewhere in the embrace of the lake. Every effort possible has been made to recover it, without success.

His brother, Albert Smith, with whom he was bathing when he lost his life, is inconsolable. He will not abandon the search and has had professional divers, the life saving crew and the police force to help him. Cannonading has also proved futile. Mr. Smith has the sympathy of the trade in his long days of unusual trial.

ST. LOUIS PERSONALS.

Mr. and Mrs. Carl Beyer have returned from a pleasant trip through the western country.

A. Y. Ellison, of The Ellison Floral Co., was married last week in Belleville, Ill., to Miss L. Hastings of Chicago.

Mr. and Mrs. Hugo Gross of Kirkwood have returned home after an enjoyable trip to California and other western states.

George Waldbart sailed from New York on July 28 for an extended trip through Europe. He will return about October 1st.

Des Plaines, Ill.—H. C. Bluett, who makes a specialty of sweet peas under glass, reports returns this year lower than those of previous years and that the cause is overproduction. Des Plaines is becoming quite a greenhouse centre. With the completion of the Hoerber Bros' range of ten three hundred-foot houses there will be nine distinct greenhouse plants in this little town of 2000 inhabitants.

PHILADELPHIA NOTES.

A painful incident occurred in local wholesale circles last week. William J. Baker took a vacation. At latest accounts the patient was resting easily, and had increased his avoirdupois by nearly two pounds.

It is understood that the third annual meeting of the Association of Railroad Gardeners, scheduled for August 24th, will take place at Horticultural Hall, commencing at 10 a. m. Paul Huebner of the Reading is an active spirit in the local arrangements.

The first chrysanthemums of the season arrived at Pennock-Meehan Co.'s, July 21st. They were quickly picked up by an enterprising retailer. A small lot—only four of them; thank heaven there's no more of them—for a couple of months at least. We have trouble enough without 'mums at present.

The time table is the center of interest at present. Flower price lists are bald and weary narratives for the time being. The transportation companies are standing to their guns with grim courage. Won't give a point to anybody even under the most heart-rending circumstances. Haughty tyrants!

The Leo Niessen Co. were strong on sweet peas last week, and naturally objected to our market report, which mentioned these as generally very poor. Which was true. We are glad to hear there was at least one oasis in the desert. Leo should talk before—not after—the event. Mind telepathy is not yet an exact science.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

NEWS NOTES.

Lake Forest, Ill.—The Calvert Greenhouses have been leased to a Kansas party for a term of three years.

Sioux City, Ia.—J. Lehman of Rockland & Lehman, has sold his interest in the business to his partner and is spending a few days in Chicago.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
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Boston Florist Letter Co.

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N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

BUSINESS CHANGES.

Charlotte, N. C.—The Dilworth Floral Gardens have been sold to C. E. Scholtz.

Baker City, Ore.—Ira B. Sturgis has purchased the greenhouse business of R. C. Eisele.

New Orleans, La.—J. Shackei will transfer his business from Bayou St. John, to the lot he has recently purchased in the suburbs.

Fairhaven, Mass.—S. S. Peckham has turned his place over to Peter Davis & Son, who will make a specialty of carnations and chrysanthemums.

Mt. Vernon, Ia.—Alex. Cowen & Son have purchased the greenhouses of C. S. Meek and will carry on the business, making additions and improvements.

St. Louis, Mo.—C. Young & Sons Co., are making many improvements in their store, including a plate glass front. At a recent stockholders' meeting officers were chosen as follows: James Young, president; Harry Young, vice-pres.; Wm. C. Young, secy.; C. C. Young, treas.

N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
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For Steamer sailing from Montreal and Quebec Order by Mail or Telegraph from

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Careful attention and prompt delivery.

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Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

ASTERS
BEST, \$2.50—\$3.00 per 100. GOOD, \$2.00 per 100.
MEDIUM, \$1.00—\$1.50 per 100.

MY MARYLAND
\$3.00—\$8.00 per 100

BRONZE GALAX
\$7.50 per Case

THE LEO NIESSEN CO.
1209 Arch St., Philadelphia, Pa.
Open from 7 a. m. to 6 p. m.

ANNUAL TRADE EXHIBIT
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS
CINCINNATI, OHIO, AUG. 17-20 INCLUSIVE
MAKE APPLICATION FOR SPACE AND RATES TO
WM. MURPHY
SUPT. TRADE EXHIBIT
311 MAIN STREET, - CINCINNATI, OHIO

CUT EASTER LILIES
Extra Fine
\$1.50 per doz. \$10.00 per 100
Can furnish in quantity
W. E. McKISSICK & BROS., Wholesale
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EDWARDS FOLDING BOX CO
MANUFACTURERS
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CHAS. W. McKELLAR
51 WABASH AVE., CHICAGO
Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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Seedsmen, Plantsmen, Nurserymen
Florists' Supplies
We can supply everything used by the
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CUT FLOWERS
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Rice Brothers
118 N. 6th Street, MINNEAPOLIS, MINN.
WHOLESALE FLORISTS and SUPPLIES
CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens — WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
It in HORTICULTURE."

WELCH BROS.
AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY

	CHICAGO July 26		TWIN CITIES July 26		PHILA. July 26		BOSTON July 29	
ROSES								
Am. Beauty, Fancy and Special...	15.00	to 20.00	20.00	to 25.00	15.00	to 18.00	20.00	to 25.00
" Extra	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 15.00
" No. 1	8.00	to 10.00	10.00	to 15.00	8.00	to 10.00	4.00	to 8.00
" Lower grades	5.00	to 8.00	5.00	to 10.00	3.00	to 4.00	2.00	to 3.00
Bride, 'Maid, Golden Gate, F. & S.	5.00	to 6.00	4.00	to 8.00	4.00	to 5.00	3.00	to 6.00
" Lower grades	3.00	to 4.00	3.00	to 4.00	1.50	to 3.00	.50	to 2.00
Killarney, Fan, & Sp.	5.00	to 8.00	6.00	to 10.00	4.00	to 5.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	3.00	to 6.00	1.00	to 3.00	.50	to 4.00
Richmond, Fancy & Special ..	5.00	to 8.00	6.00	to 8.00	3.00	to 5.00	6.00	to 10.00
" Lower grades	3.00	to 4.00	3.00	to 6.00	2.00	to 3.00	.50	to 4.00
Chatenay	3.00	to 6.00	3.00	to 6.00	3.00	to 5.00	.50	to 6.00
My Maryland	4.00	to 10.00	.....	to	2.00	to 3.00	.50	to 8.00
CARNATIONS								
Fancy	1.00	to 2.00	1.00	to 2.50	1.50	to 2.00	.75	to 1.00
Ordinary .....	.50	to 1.00	.50	to 1.00	1.00	to 1.50	.50	to .75
MISCELLANEOUS								
Castles	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00	30.00	to 40.00
Lilies .....	.....	to 10.00	10.00	to 12.50	10.00	to 12.00	8.00	to 10.00
Lily of the Valley	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Mignonette	2.00	to 5.00	2.00	to 4.00	.....	to 1.00	1.00	to 2.00
Sweet Peas .....	.50	to .75	.75	to 1.25	.25	to .50	.05	to .80
Gardenias	12.00	to 25.00	.....	to 50.00	6.00	to 25.00	8.00	to 20.00
Asters	1.00	to 2.00	.....	to	1.00	to 2.00	.40	to 1.00
Gladioli	4.00	to 6.00	12.00	to 25.00	2.00	to 4.00	.....	to
Adiantum .....	.....	to .75	.75	to 1.25	.75	to 1.00	.75	to 1.25
Smilax	10.00	to 12.00	10.00	to 18.00	10.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, string ..	40.00	to 50.00	30.00	to 50.00	35.00	to 50.00	25.00	to 30.00
" " & Spreu. (too bchs.)	15.00	to 20.00	30.00	to 50.00	25.00	to 50.00	15.00	to 25.00

J.A. BUDLONG
37-39 Randolph Street, CHICAGO.
WHOLESALE CUT FLOWERS
Roses and Carnations
A Specialty.....

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FLORISTS' SUPPLIES
Send for New Catalogue
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Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports.

BOSTON Ordinary summer trade conditions prevail in this market with possibly a more tardy arrival than usual of the special demand peculiar to the vacation season in the New England seaside and mountain resorts. Newport has shown but little activity thus far and Bar Harbor has just begun to wake up and whether the season is to be a good one, florally, is not yet apparent. The only goods that sell as yet are Kaiserin, Carnot and Beauty roses in limited quantity. Other things move very slowly. Asters are already loaded up in unmanageable surplus, quality good for the season. Sweet peas have never been so fine but they are heavily overdone and tens of thousands of bunches are turned over to the street fakir at prices that mean the minus sign to the grower. Gladioli have not yet put in their appearance here.

The heavy supply that **BUFFALO** has been coming into this market for the past month has ceased, especially in the carnation line, and now there are hardly enough to be had to fill the few small orders which are received. Asters are improving daily; the three days' rain helped considerable but came rather late to help the early crop. Some excellent stock has been had but not enough at the right time. There has been no heavy demand for Beauties, though they are of good quality. Other roses were in fair supply and sold readily. Sweet peas and lily of the valley were in better demand than in weeks previous. Plenty of greens of all kinds.

No startling change has **CHICAGO** taken place in the market, yet there is a general tendency toward better business. Flowers are more in demand and with the coming of asters the poor quality of the carnations is not so much felt. Some very good asters are now coming in with stems averaging fourteen inches and an occasional bunch is seen much longer. Sweet peas are nothing extra and the demand is not heavy. During the past week there have been at least two days in which trade was lively enough to suit almost anyone, and it looks now as if the summer dull season would not be prolonged this year. Traveling salesmen bring in good reports from outside also.

There are some **INDIANAPOLIS** few good roses on the market; the demand is seasonable, no more. The supply of Beauties has decreased and the quality with most of the growers has retrograded. Carnations are giving way to asters which have not yet arrived. Among the best flowers obtainable at the present time are Easter lilies and auratums, Shasta daisies, gladioli, Beauties and Killarney roses. Greens are quiet. There is enough of everything and no special activity in the demand.

Our hearts are **PHILADELPHIA** light, our skies are sunny; the deep cerulean of the heavens is as blue as the heavenliest blue ever; the fleecy whiteness of the transient clouds

rivals the driven snow; and half our population is off on tip-toe with ribbons a-flying to sniff for a week or two the balmy breezes and get that annual tuning up which is so conducive to sprightly service at desk or bench when the season starts in again in good earnest. May they all have a good time. The market ranks are very thin, indeed, but there are enough of the faithful left to fill the daily orders without undue exertion. Business is about as good as could reasonably be expected for the season, and there is little change to be noted over the details of our last week's report. Anything really good sells well. Early asters are now beginning to look like the real thing, and sweet peas have taken on a little spurt since the recent rains; but the hey-day of the outdoor crop is about over. Some excellent Kaiserin and Maryland roses are arriving. American Beauty is also good, clean stock, and very well colored. Lily of the valley supplies have been rather jumpy—plenty one day and not enough the next. The scarcity was especially pronounced towards the end of the week. Lots of orchids around with only fair demand. The fancy grades

of gladioli are scarce, but there are carloads of the ordinary.

Field Grown Carnation Plants

On account of general scarcity caused by the dry weather we advise early booking. Send to us for your requirements. We can furnish the very best the season affords.

Lady Bountiful
Enchantress
Lawson
Queen Louise
Melody
Variegated Lawson
Robert Craig
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Red Sport
Rose Pink Enchantress
Genevieve Lord

\$6.00 per 100
\$50.00 per 1000

Harlowarden
Roosevelt
Eldorado

\$4.00 per 100

Afterglow
Beacon
White Enchantress
White Perfection
White Lawson

\$7.00 per 100
\$60.00 per 1000

Winona
Winsor
Splendor

\$8.00 per 100
\$75.00 per 1000

Sarah Hill

\$12.00 per 100

Mrs. Patten
Jessica

\$5.00 per 100

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1608-1620 Ludlow Street Store closes 6 p. m.
Washington Store, 1212 New York Ave.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI July 26		DETROIT July 26		BUFFALO July 26		PITTSBURG July 26	
ROSES								
Amb. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	15.00	to 18.00	10.00	to 15.00	15.00	to 18.00
" No. 1	8.00	to 12.00	10.00	to 15.00	6.00	to 10.00	8.00	to 12.00
" Lower grades	4.00	to 6.00	3.00	to 8.00	2.00	to 6.00	2.00	to 4.00
Bride, 'Maid, Golden Gate, F. & S.	.....	to 6.00	4.00	to 6.00	2.00	to 8.00	.....	to 6.00
" Low. gr.	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan. & Sp.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
" Lower grades	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00	.....	to 2.00
Chatenay	4.00	to 6.00	4.00	to 6.00	.....	to	4.00	to 6.00
My Maryland	.....	to .....	.....	to .....	.....	to .....	.....	to
CARNATIONS								
Fancy and Novelties	.....	to 2.00	2.00	to 3.00	1.50	to 3.00	1.00	to 1.50
Ordinary	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cornflowers	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
Lilies	10.00	to 15.00	12.50	to 15.00	8.00	to 12.00	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette	2.00	to 3.00	.50	to 1.00	2.00	to 3.00	.50	to 1.00
Sweet Peas	.35	to .50	.85	to .50	.20	to .30	.10	to .50
Gardenias	.....	to	20.00	to 30.00	20.00	to 30.00	20.00	to 25.00
Asters	.75	to 1.00	.....	to .....	.75	to 1.00	1.00	to 2.00
Gladioli	4.00	to 6.00	.....	to	3.00	to 5.00	2.00	to 8.00
Adiantum	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.....	to 1.25
Smilax	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	20.00	to 50.00
" " & Sprea. (100 bchs.)	50.00	to 25.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

(Continued on page 149)

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48 West 28th Street NEW YORK

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JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending July 24 1909		First Half of Week beginning July 26 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Extra.....	5.00	to 8.00	6.00	to 13.00
" " No. 1.....	2.00	to 5.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, "Field, Golden Gate, Fancy and Special.....	4.00	to 6.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Richmond, Fancy and Special.....	4.00	to 6.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.00	to 1.50	1.50	to 2.00
" " Ordinary and White.....	.50	to .75	.75	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

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AT
WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited. Shipments to Order, any Distance*

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J. J. COAN, Manager**NEW YORK****Durand & Marohn**

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All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

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Brooklyn's Foremost and Best

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Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Massware Decorative Greens and Florists' Requisites

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WHOLESALE COMMISSION FLORISTS

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Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

FOR FLORISTS' USE

There's **NOTHING** as good as

MEYER'S SILKALINE

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For sale by dealers

WILLIAM F. KASTING CO.

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BUFFALO, - N. Y.

ROBERT J. DYSART

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Simple methods of correct accounting
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KEEPING OPEN HOUSE THIS SUMMER

TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON

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J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 187 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 24 1909		First Half of Week beginning July 26 1909	
Cattleyas	15.00	to 25.00	20.00	to 25.00
Lilies	3.00	to 5.00	4.00	to 6.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Asters	1.00	to 3.00	1.00	to 3.00
Gladioli	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bunches)	1.00	to 4.00	1.00	to 4.00
Gardenias	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Samolus	8.00	to 12.00	6.00	to 10.00
Asparagus Plumosus, strings	20.00	to 30.00	20.00	to 30.00
" & Sprea. (100 bchs)	15.00	to 25.00	10.00	to 25.00

DETROIT NOTES.

Chas. H. Plumb's new range of houses will almost double his capacity.

Robert Watson is erecting a new office and refrigerator at his place on Townsend avenue.

John Breitmeyer's Sons' two new houses, each 50 x 250, have been planted with Beauties.

A good deal of convention talk is being heard. Undoubtedly a large contingent from this city will appear there.

J. F. Sullivan had a narrow escape from being burned out. Fire started Sunday afternoon in the third story of the building in which his store is located. Fortunately, only the two upper stories were gutted and Sullivan's damage was very slight, mostly from water.

John T. Withers, Jersey City, N. J., is making an extended western tour which will include the convention of the park superintendents at Seattle and of the S. A. F. at Cincinnati.

DETROIT FLORIST CLUB.

M. Bloy gave a very interesting talk at the last meeting describing his first year's experience among us. As he was guilty of the crime of holding a 5c. plant sale at his establishment he was closely interrogated on that score. The discussion which followed established the interesting fact that a cheap plant sale has its good purpose in a large city. It may cause some little annoyance to show the customer the difference, but there are many among us who are anxious to plant flowers but cannot afford the big price. On the other hand, those who buy cheap plants solely because they are penurious will have a lesson taught them which will benefit the trade.

FRANK DANZER.

Manchester, Mass.—Mrs. W. Scott Fitz is having her greenhouses on School street moved to her estate on the neck where they will be again set up.

FLOWER MARKET REPORTS.

(Continued from page 115)

The market is very quiet. Roses are in lighter supply with the exception of Beauties, which are very plentiful on some days and prices fluctuate considerably. Carnation shipments are light. The price of lilies has advanced in consequence of a reduced cut. There are plenty of lily of the valley, orchids and gardenias for the demand. Asters are plentiful but not of very good quality. The usual summer crop of gladioli is coming in and prices rule low. The requirements of the best stores are easily satisfied, for they carry little stock.

Toledo, O.—A severe hail storm on July 15 did serious damage to gardens and glass. Ernest Glauser, Chas. Counter, E. A. Kuhnke, G. N. Keller were among the florists who lost heavily.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

J. H. Dann & Son, Westfield, N. Y.
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O. V. Zangen, Hoboken, N. J.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

ASTERS.

J. C. Schmidt, Bristol, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.
J. H. Dann & Son, Westfield, N. Y.
Begonia Rex.
For page see List of Advertisers.
"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants, \$25.00 per 100; extra large plants from 4 inch pots, \$50.00 per 100. All propagated from leaf cuttings.
Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BOILERS

The W. W. Castle Co., 170 Summer St., Boston.
BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 35 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Mitchell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Lilium Longiflorum Giganteum.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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A. Mitting Calla Lily Bulb Co., Santa Cruz, Calif.
Calla Bulbs.

CALADIUMS

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CANNAS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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The E. G. Hill Co., Richmond, Ind.
Carnation Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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S. S. Pennock Meehan Co., Philadelphia.
Field Grown Carnation Plants.
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CARNATIONS—Continued

S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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I. M. Raynor, Greenport, L. I., N. Y.
Field Grown Carnations.
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CHRYSANTHEMUMS

B. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CROTONS

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.
John Scott, Brooklyn, N. Y.
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ELECTRIC CIRCULATORS
The W. W. Castle Co., 170 Summer St., Boston.

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EVERGREENS

New England Nurseries, Bedford, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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Jardiniers Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000, Rose Hill Nurseries, New Rochelle, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle Manure.
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Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.
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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's. 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hillinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

We make Standard Flower Pots, etc. Write us when in need.
Wilmer Cope & Bro.

Lincoln University, Chester Co., Pa.

Syracuse Pottery Co., Syracuse, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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GARDEN HOSE

Revere Rubber Co., Boston, Mass.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1592-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.
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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass.
Revere Hose.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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HEATING APPARATUS

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 35 Erie St., Chicago.
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HELP FURNISHED

Thos. H. Bambrick, 34 So. 7th St., Phila.
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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

Nicotidie kills all greenhouse pests.
P. R. Palethorpe Co., Eleventh St., Owensboro, Ky.
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Stumpp & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.
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Bowker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

- Phila. Insecticide Co., 6117 Main St., Germantown, Pa.
Pullman's Insect and Worm Destroyer: Nicotine.
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- Eastern Chemical Co., Pittsburg St., Boston.
"IMP" Soap Spray.
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- "The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stouthoff Co., Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAS

- Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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- A. Leuthy & Co., Roslindale, Mass.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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- O. V. Zangen, Hoboken, N. J.
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LILY OF THE VALLEY PIPS

- Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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MASTICA

- F. O. Pierce Co., 12 W. Broadway, New York.
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MINIATURE CACTI

- Cobweb plants, an interesting plant put up in attractive form, 1-in. pots, \$5.00 per 100. Cash. W. H. Ritter, Cacti and Miniature Plants, 825 N. 28th St., Philadelphia, Pa.

MOON VINES

- Godfrey Aschmann, Philadelphia, Pa.
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MUM CANES

- Wm. Elliott & Sons, 42 Vesey St., New York.
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MUSAS

- The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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NARCISSUS

- A. Mitting Calla Lily Bulb Co., Santa Cruz, Calif.
Narcissus Alba Grandiflora.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.
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NURSERY STOCK

- John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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- F. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.
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- New England Nurseries, Inc., Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Jager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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- Carrillo & Baldwin, Secaucus, N. J.
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- Ordenez Bros., Madison, N. J., Box 105.
Cattleya Mossiae.
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- Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.
Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-ton, N. J.
Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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- Geo. Wittbold Co., 1637 Buckingham Place, Chicago.
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- O. V. Zangen, Hoboken, N. J.
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- John Scott, Brooklyn, N. Y.
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PANSY SEED

- John Gerard, New Britain, Conn.
Giant Pansy Seed.
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- A. T. Boddington, 342 W. 14th St., New York.
Giant Pansies.
For page see List of Advertisers.
- The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.
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PATENTS

- Siggers & Siggers, Washington, D. C.
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PEAT

- Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

- Gilbert H. Wild, Sarcoxie, Mo.
For page see List of Advertisers.
- Peonies—The best French collections. List of new varieties now ready. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.
Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebr.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

- Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

- Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.
Kroeschell Bros. Co., 35 Erie St., Chicago.
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- Albert & Davidson, 68-70 Troutman St., Brooklyn, N. Y.
Pipes and Boiler Tubes.
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PIPE AND FITTINGS — Continued

- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

- F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenis.
For page see List of Advertisers.
- Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

- John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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- P. Ouwerkerk, Hoboken, N. J.
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ROSES

- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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- S. J. Reuter & Son, Westerly, R. I.
Own Root Roses.
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- The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.
- Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

- F. L. Pierson Co., Tarrytown-on-Hudson, N. Y.
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SEED GROWERS

- Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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- Federico C. Varela, Tenerife, Canary Is.
Bernuda Onion Seed.
- Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

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S. A. F. TRADE EXHIBIT

- Wm. Murphy, Supt., 311 Main St., Cincinnati, O.
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SMILAX

- Smilax, strong, 2 1/4 in., \$1.50 per 100; \$10.00 per 1000. Cash, please. Ready after July 24. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
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- E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.
New Chicago Sprayer.
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- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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- J. C. Schmidt, Bristol, Pa.
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- Celery Plants—White Plume, Golden Self Blanching, Giant Pascal, Giant Golden Heart, Evan's Triumph, \$1.00 per thousand. Jacob De Witte, Box 717, Kalamazoo, Mich.

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- Pleron U-Bar Co., 1 Madison Sq., N. Y.
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- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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ADVERTISERS' IDEAL

S. A. F. Convention Number to be Issued August 14.

Order space now—it pays to be forehanded

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

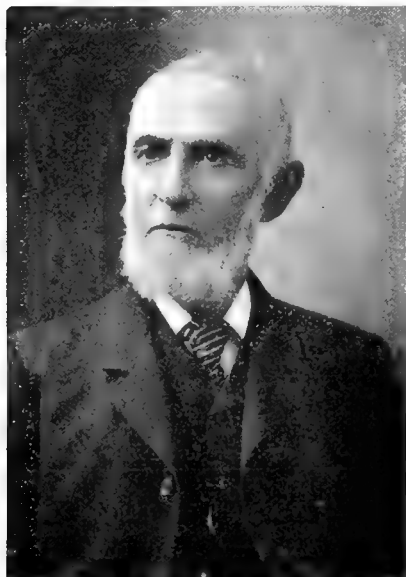
452-460 No. Branch St.,
CHICAGO, ILL.

Obituary.

Thomas C. Thurlow.

Thomas Chase Thurlow, widely known as a nurseryman, passed away at his home in West Newbury, Mass., on Wednesday afternoon, July 21. Mr. Thurlow had been confined to his room for about a month and although he did not have to take to his bed until last Sunday, he had been growing weaker everyday, suffering from his old affliction, asthma, which finally caused his death.

T. C. Thurlow was born in West



THOMAS C. THURLOW

Newbury, Dec. 30, 1832. His father was a nurseryman, and after traveling in the west for a year, Mr. Thurlow, in 1858, enlarged the nursery which his father had established and started another nearby. He was married in 1879 to Mrs. S. K. H. Dean, who, with three sons and one daughter, survives him. During the last few years Mr. Thurlow's sons have been associated with him in business. He was a member of the Massachusetts Horticultural Society, American Pomological Society and American Peony Society.

At the exhibitions in Boston the products of Cherry Hill Nurseries have been for many years famous, peonies, azaleas, phloxes, etc., being among the specialties exhibited and many valuable trophies have borne testimony to the high character of the material produced at Cherry Hill.

Mr. Thurlow was an ardent lover of nature, a kindly mannered gentleman, upright, sincere and true in all his dealings with his fellow man and held in a rare degree the love and re-

spect of neighbors and business associates. He was a worthy representative of the good old New England stock from which he descended.

Amos Reynolds.

The Connecticut Horticultural Society has just suffered the loss of one of its most valued and honored members, Amos Reynolds, whose death occurred in Hartford on the 24th instant. Mr. Reynolds had been employed for many years on the beautiful estate of James J. Goodwin, of which the president of the society, John F. Huss, is the superintending horticulturist. The kindly, genial, companionable spirit of our deceased brother, and the benefit of his ripened experience in things pertaining to horticulture, will long be missed in the councils of our organization. The Connecticut Horticultural Society was represented among the bearers at the funeral, by President Huss and John J. Dimon.

GEORGE W. SMITH, Sec.

Wilhelm Richter.

Wilhelm Richter, Hameln on the Waser, a veteran raiser of varieties of the potato, died on July 8, on his return journey from the Agricultural Exhibition at Leipzig, aged 76 years. The firm will be carried on as heretofore by C. Gebhardt, for many years the seed raiser in the employ of the deceased.

Nicholas Beirie.

Nicholas Beirie, a florist who has been in the employ of Nanz & Neuner for thirty years, died on July 22, at his home in St. Matthews, Ky., at the age of 80. He was a native of Germany. Three daughters and two sons survive him.

Thomas Parrow.

Thomas Parrow, gardener of the Middlesex county court house grounds at East Cambridge, Mass., fell dead while at work there July 24. He was 52 years of age.

FUNERAL OF JOHN THORPE.

Following the simple services of song and prayer, W. N. Rudd arose and voiced a beautiful and impressive tribute to the departed, of whom he said, "This man was my friend." He spoke of Mr. Thorpe as a genius, likening him to a plant whose side branches had all been removed allowing all the strength to develop the head "therefore he had no ability to accumulate the dollars, no ability to acquire palaces, but his genius was all for the development of the plants he loved." He spoke of the little carnations of the past and of Mr. Thorpe as having been the first one to see the future of that flower, closing the sentence with "Mr. Thorpe is the father of the carnation, and the men laying up fortunes now from this flower owe it to John Thorpe." He then spoke in about

the same way of what Mr. Thorpe had done for the chrysanthemum, and said, "His golden dreams have been conveyed into dollars by others; he left none himself, but he was a great man." He closed by expressing regret that John Thorpe had been allowed to pass away without some one having written down the knowledge of many things that would now be gone and blamed himself that he had not undertaken it for, "he was my friend." It was very impressive, indeed and following the other part of the service was especially so.

Immediately after Mr. Rudd finished, a little elderly lady, beautifully dressed, surprised us all by rising and saying she too wanted to say something. Mr. Thorpe had not only known every little leaf, twig and flower, but had been willing to patiently explain it to others. She had known him at the time of the World's Fair and ever since at the flower shows, etc. Her name is Mary Chew Hopkins, oldest D. A. R. now living.

The pall bearers selected were: J. C. Vaughan, W. N. Rudd, F. F. Bentley, J. Kidwell, E. Kanst, Geo. Woodward.

Among the floral offerings was a large wreath on base from the S. A. F., and a smaller wreath from the Chicago Florists' Club. The casket was covered with flowers when it was taken from the house.

The remains were cremated at 7 a. m., Wednesday, July 21st, at Oak Woods Cemetery. What is regarded as an excellent cast of his features was made on Monday.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 1/2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/4 " " "	5.25	120 7 " " "	4.20
1500 2 3/8 " " "	6.00	60 8 " " "	3.00
HAND MADE			
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
450 4 1/2 " " "	5.24	24 12 " " "	4.80
320 5 " " "	4.51	12 14 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc., Ten per cent. off for cash with order. Address: Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

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THE GERMAN ROSE AMATEURS' SOCIETY.

The 24th congress of the Rose Amateurs' Society took place at Sangerhausen in the Hartz country in connection with an exhibition of roses on June 27, last. The locality was the Schutzenhause (rifle club pavillion), and the attendance of the local members of the society was of moderate extent, Burgomaster Knobloch, and his municipal colleagues taking part in the discussions, a sign of true gratitude for the opportunity the society afforded of holding a rose show in its Rosery, which every big town in Thuringia might with good reason be envious about. According to the report of proceedings of the society, read by the manager, Herr Peter Lambert, nurseryman at Treves, we learn that excluding those members who had not paid their subscriptions, in particular those who are foreigners, the members had been reduced by 15 per cent. The funds of the society were satisfactory, the balance on hand being 3,655.99 mk.; but the interest of the foreign members in the well-being of the society leaves much to be desired. The diploma of the society was awarded last year to Herr Hermann Kiese, Vieselbach, for his novelty Leuchtefeuer, a hybrid of Gruss an Teplitz; and the report expressed great satisfaction with the increase in the value of the prizes awarded in 1908 at Leipzig, which were carried out and retained by the members, a tendency in the prize money awarded that will have to be reckoned with in the future. The president of the society has compiled a list of 300 varieties of the best roses, including novelties which have been under tests. The list is to be put into book form, and sent to the members, who will be invited to send the president their opinions and observations; and when necessary, cancelling varieties, or supplementing descriptions. Mention was made of an intended formation of a Rosery at Britz, near Berlin, and in the Thiergarten at Berlin, in which 10,000 roses have already been planted out.

At Metersen in Holstein, a rose show will be held on September 10-12, this year, and at which no prizes will be awarded. The societies at Zabern in Alsace, and Munich, Gladbach, notify their readiness to test novelties in roses free of expense, in their rosaries at those places. An invitation has been received by the society to hold its exhibition at Liegnitz, in 1910, and it was generally accepted.

FREDERICK MOORE.

FOREIGN NOTES.

Herr Rudolf Mann, son of the founder of the firm of Otto Mann, nurseryman and seedsman, at Leipzig, Eutritzsch, will enter the firm as partner, while Paul Mann retires from reason of ill health.

The Limited Liability Co., J. A. John, of Ilversghoven, Erfurt, which is engaged in the business of window, balcony and porch decoration, are about to bring out an illustrated book entitled, "Anleitung zur Schmuckung der Hauser mit Blumen."

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED

A First Class Rose Grower

to take charge of our Rose Department. A permanent place for the right man.

The E. G. HILL CO.

Richmond, Ind.

GOOD MEN

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED—A young, married, bustling, working foreman to take full charge of place where roses and carnations are principally grown. Must be sober, experienced and well recommended. Fair wages and increase when ability is demonstrated. Permanent if successful. J. R. Freeman, 612 13 St. N. W., Washington, D. C.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

SITUATIONS WANTED

GARDENER, 31, married, wants situation. Honest, sober, thoroughly understands the care of gentlemen's place, growing flowers, fruits, vegetables and landscaping. Ed. Walther, Millwood, N. Y.

FOR SALE

For Sale Greenhouse Property

Located at Somerset and Howard streets, North Plainfield, Somerset County, New Jersey. Dimensions 248 x 106 ft. Contains three greenhouses 20 x 175 ft., steel frames. Trolley lines pass property. Will sell cheap and on easy terms. For particulars apply to F. B. DAILEY, care F. BERG & CO., - - Orange, N. J.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

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STRONGEST,
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24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
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OVER 40% NICOTINE

By far the
CHEAPEST.

Furnishes the
Most Nicotine for the Money

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Randolph Grove, the scene of many merry gatherings, never sheltered a happier party than that of Wednesday, July 28, 1909, when the Gardeners' and Florists' Club of Boston enjoyed their annual picnic. Judging by numbers, it was essentially a ladies' and children's day, for the little ones fairly swarmed and there could be no doubt that they were having the time of their lives.

A list of sporting events had been prepared, as noted in our issue of last week, comprising twenty-two contests. These were all except one pulled off without a hitch and one additional—Boys' handicap race—was added. Peter Miller with the starting pistol, Mr. Kennedy with the megaphone, and other officials put everything through in good time and excellent order and are entitled to much credit for their efficiency. The games and prize winners were as follows:

Base ball for boys, won by Ferguson's team, 11 to 8. Base ball, commercial versus private growers, umpire, J. L. Miller, scorer, Cahill, won by the private gardeners, under R. W. Curtis, 8 to 4. Putting shot, John Reed, W. J. Collins, A. G. Sawyer. Flag race for girls, Alice Iliffe, Catherine Lalley. Three legged race, W. J. Collins and J. Reed, G. H. Grey and Wm. Iliffe. 50-yard race for boys, Thos. Iliffe, Victor Huerlin. Married ladies' race, Mrs. Rose, Mrs. H. F. Woods. Boys' three-legged race, Jack Sisson and T. Westwood, C. Ferguson and V. Huerlin. 50-yard race for girls, Edith Iliffe, Marjorie Iliffe. Sack race, W. J. Collins and W. C. Grassie. Hoop race, Mrs. J. F. Flood, Miss Jean Westwood, Mrs. W. N. Craig. Quoits, A. K. Rogers, W. C. Rust. 100-yard race, W. J. Collins, Wm. Iliffe. High jump, W. C. Grassie, H. G. Baldwin, A. G. Sawyer. Flag race, Mrs. G. H. Cray, Mrs. Rose. Fat men's race, J. L. Smith, J. Lalley. Running broad jump, W. J. Collins, G. H. Grey, C. Linsurt. Half-mile race, W. C. Grassie. Race for girls under 8, Bessie Ferguson, Eliz. Decker. Race for boys under 8, Spencer Heurlin. Boys' handicap, Dean French, W. Ferguson. Tug of war; this was the crowning event of the day and was fiercely fought between the commercial and the private men, the commercials coming out victors for the first time in a number of years.

ST. LOUIS FLORIST CLUB.

The great event of the year among florists, the local club's sixteenth annual picnic, took place on July 21st at Romona Park. The day was fine and the crowd was one of the largest that ever attended our club picnic. Our suburban florists especially must be commented on. They came in full force and brought their families with them. Much credit is also due the trustees and their assistants, who had the management of it. A fine band of music played all day and the dance hall was always filled with young folks. A fine lake furnished boating and fishing.

At 1 o'clock Chairman Ostertag announced that the first event was the ball game between employees of Bentzen Floral Co. and C. Young & Sons' Co. The Bentzen team had an easy time. They defeated the Young's team by a score of 23 to 1. During the ball game other events were pulled off, viz.:

Fat man's race; winner, J. J. Beneke, followed by Fred Foster and H. Niemeyer. Girls' race, Miss D. Ostertag. Boys' race, Adolph Steidle. Ladies' egg and spoon race, Mrs. Lulu Bremer. Hop, step and jump, Fred Alvers, this being his third year as winner in this class. Young ladies' race, Alice Jablonsky. Boys' race, L. Schutte. Ladies' ball throwing contest, Miss Hartman. Guessing contest, Miss L. Cronin. Eating contest for boys, James Addin. Jumping, Fred Alvers. Flower pot breaking game for ladies, Mrs. M. M. Ayers. Weight throwing, J. J. Beneke. Throwing contest for babies, all competitors being declared winners. 100-yard dash, J. Rattermann.

After supper the prize waltzing was announced and fifteen couples competed, entry being limited to those in the trade. F. H. Weber, Frank Weber and Herman Weber were appointed as judges. First prize, a \$25.00 bracelet, was awarded to Mr. and Mrs. A. Jablonsky; second, a \$15.00 umbrella to Fred Foster and Miss May Burns; third, a \$10.00 parasol to Eddie Gerlach and Miss Rose Winder. The universal verdict was that this was the best outing the club had ever enjoyed.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club gave their annual picnic on Thursday, July 22nd and everyone in attendance had a good time. Although the weather was threatening the attendance was good. All the old-timers entered into the games with their usual zest, a noticeable fact being the eligibility of some to the fat men's race who had never been so before. Time tells on the florist as on others and on these festive occasions hard facts are not to be concealed—they are all getting older and fatter. The greatest interest centered in the baseball game between the wholesalers and the retailers, the latter winning the game and the former winning the sympathy of the lookers on.

Mr. Wolff and Mr. Boness in fat men's race, Mr. La Berg and A. Eberling in 100-yard dash, A. Eberling and Mr. La Berg in sack race, L. Gannon and L. Koropp in pie-eating, Mrs. F. Mulliman and Mrs. A. Bentley in married ladies' race, A. Zeck and H. Young in young ladies' race, L. Koropp and H. Bruns, boys under 16, M. Suther-

land and M. Koropp, girls under 16, H. Bruns and F. Yarnell, boys under 12, M. Koropp and K. Yarnell, girls under 12, N. Turoo and T. Yarnell, boys under 6, L. Gannon and L. Koropp, girls under 6, all were enriched by the award of various articles of use or ornament in recognition of their athletic proficiency.

MINNEAPOLIS VS. ST. PAUL.

Bowling scores of tournament of Minnesota State Florists Association:

Individual scores, two games—O. J. Olson, 389; L. Hermes, 361; Wm. Swanson, 309; Carl L. Melby, 291; E. Meyer, 283.

O. J. Olson won the prize for the greatest number of spares in two games. L. Hermes won the prize for the greatest number of strikes in two games.

Ladies' bowling, two games—Miss Freda Ostehout, 171; Miss Elsie Will, 140; Mrs. Wm. Strehlow, 134; Miss G. Distel, 119.

ST. PAUL TEAM.

Carl Hangan.....	118	125	111
Henry Puvogel.....	129	112	103
John Dill.....	142	153	176
L. Hermes.....	125	107	131
O. J. Olson.....	107	204	205

Total 2049

MINNEAPOLIS TEAM.

E. Meyer.....	133	105	102
Th. Wirth.....	104	116	119
H. Will.....	141	131	120
K. E. Carlson.....	168	107	108
C. N. Ruedlinger.....	125	129	166

Total 1874

The prize for each member of the winning team was a stick pin valued at \$3.50.

"Dear Commodore, sit down and take it easy for the rest of your natural life!" We can imagine some such hearty and sensible remark by Miss Annie May of Summit, N. J., when she presented John Westcott with a new chair for his own private and particular use, at the Barnegat bungalow recently.

Which Spray Pump?

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
281-285 Franklin St., Boston



SPRAYED

CLUB AND SOCIETY NOTES.

The Chicago Florists' Club is trying to raise money for a club house.

The Indiana State Horticultural Society will convene at Centerville on August 4 and 5.

The Southampton Horticultural Society (N. Y.) set ahead the date of the annual show to July 28, 29.

The annual and perennial show of the Lenox Horticultural Society (Mass.) has been postponed to August 11, on account of the backward season.

September 30 has been announced as the date of the automobile floral parade in Washington, D. C., and the judges have been appointed as follows: Mrs. Taft, wife of the President; Secretary of War Dickinson, Commissioner Macfarland, Governor Crothers of Maryland and Governor Swanson of Virginia.

The Grand River Valley Horticultural Society met at Grand Rapids, Mich., on July 20, and discussed the subject of marketing fruits. W. Molloy stated that selection of variety and care of trees might bring no result unless scientific packing and marketing was done. O. W. Braman and F. W. Fuller also spoke.

The executive board of the St. Louis Horticultural Society has issued a new preliminary list in which they state that they will in connection with the show have a fruit display and that the show will be held in the New Coliseum Building. Otto Koenig as usual will have charge of the show, assisted by Fred H. Meinhardt.

The Rhode Island Gardeners' and Florists' Club were the guests of James Hockey at Pawtucket on July 19, the date of their regular meeting. The party arrived about 4 o'clock. Business was quickly disposed of; then followed lunch on the lawn and a visit to the extensive greenhouses. A hearty vote of thanks was accorded the host for his hospitality.

The Nebraska State Horticultural Society held their summer meeting at Beatrice, July 21-23. Ed. Williams, of Grand Island, read an able paper on Hardy Perennials and C. H. Green of Fremont interested the members in a seedling cherry of which he showed a branch. It is a variety of the English Morello cherry, but is hardier and promises to be adapted to this climate.

"Every Bug Has His Dose."

Insect-destroying preparations that do their work well and effectively are the cheapest. Bowker's Arsenate of Lead and Bowker's Pyrox are recognized standard insecticides and fungicides for both indoor and outdoor use. Bowker's Insect Emulsion destroys many kind of plant lice, black and green flies, etc. Call or send for catalogue.

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PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Aunts in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

PRICE			
1 lb.....	20c	25 lbs.....	\$1.50
5 lbs.....	35c	50 lbs.....	2 75
10 lbs.....	65c	100 lbs.....	5.00

NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphids, Green Fly and other greenhouse pests.
This solution is put up in

1/2 pt. cans...at 25c	1 pt. cans...at	\$ 1.40
1/4 pt. cans...at 50c	1 qt. cans...at	2.75
1/2 pt. cans...at 90c	1/2 gal. cans at	5.00
5 gal. ca s.....		40.00

Salesmen Wanted Everywhere

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The Philadelphia Insecticide Co.
324 Queen Lane, Germantown, Phila., Pa.

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MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

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Pulverized Manure Co.
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KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Swamp & Walter Co. 50 Barclay St., New York.

IMP SOAP SPRAY

THREE SUCCESSFUL YEARS

Outdoor or Indoor

ELM BEETLE OR
WHITE FLY

EASTERN CHEMICAL CO.
Pittsburg Street, Boston, Mass.

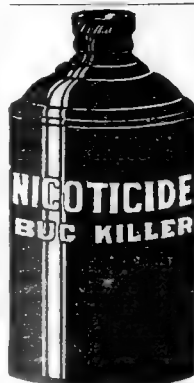
New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.



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Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

GREENHOUSES BUILDING OR CONTEMPLATED.

Lisbon, O.—J. W. Scott, house 18x75.
 Rochelle, Ill.—A. Caspars, house 36x80.
 Rockport, Mass.—G. F. Stevens, one house.
 Colfax, Ia.—Hotel Colfax, range of houses.
 Cromwell, Conn.—A. N. Pierson, two houses.
 Tacoma, Wash.—M. Haekier, improvements.
 Providence, R. I.—Thomas Curley, house 24x78.
 Philadelphia, Pa.—J. Peterson, house 15x70.
 Germantown, Pa.—E. H. Geschick, three houses.
 Billings, Mont.—Wm. Partington, range of houses.
 Portland, Ore.—Swiss Floral Co., range of houses.
 Watertown, Ill.—J. Staak & Sons, range of houses.
 Indianapolis, Ind.—Pahud Floral Co., two houses.
 Pittsfield, Mass.—Arthur N. Cooley, range of houses.
 Woodbridge, N. J.—Madsen & Christensen, one house.
 Wheeling, W. Va.—John Dieckmann & Co., two houses.
 Allegan, Mich.—C. Hudson, four houses and boiler house.
 Greensboro, N. C.—Summit Avenue Greenhouses, house 27x60.

NEWS NOTES.

Wabash, Ind.—Conner & Ulsh have leased the South Side Greenhouses and Calvin Ulsh will be manager.
 Grand Rapids, Mich.—Henry Smith, florist, has bought the four-story block at Louis and Campau streets for \$19,000 it is said.
 Brooklyn, N. Y.—Carl Werner has leased the Wills greenhouses on Clarkson St., and will start in business August 1.
 Beatrice, Nebr.—The Dole Floral Co. are to erect a two-story building at 518 Ella St., which will include a store and office.
 New York, N. Y.—Scherer & Co. will start in business at 106 W. 26th St. on September 1 as wholesale dealers in florists' greens and supplies.
 Allegan, Mich.—Conklin & Hudson will start in the greenhouse business as soon as the houses brought from Grandville by Mr. Conklin can be put up.
 Omaha, Neb.—J. F. Rosenfield, peony specialist, has purchased a twenty-five acre tract and will locate his business here. The work of transferring the stock will begin next spring, but the offices will be located at West Point for some time longer as the transfer will probably require two or three years.

PATENTS GRANTED.

927,958 Greenhouse Construction. James F. M. Farquhar, Boston, Mass.
 928,018 Pruning Implement. Henry A. Barnard and R. Barnard, Plattsburg, N. Y.; assignors of one-third to John B. Demary, Plattsburg, N. Y.
 928,120 Seed-Separating Machine. Edward H. Geise, Newton, Iowa.

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261 to 287 A Street

BOSTON

20 to 22 Canal Street

USEFUL BOOKS.

We can supply the following books, postpaid, at the prices listed:—

The American Carnation. C. W. Ward. Price, \$3.50
 Chrysanthemum Manual. Smith. Price, 40 cents.
 The Chrysanthemum. Herrington. Price, 50 cents.
 Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.
 Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.
 Daffodils-Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.
 The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.20.
 Roses and How to Grow Them. By Many Experts. Price, \$1.21.
 The New Cyclopaedia of American Horticulture. L. H. Bailey. Four volumes, \$20.00.
 How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

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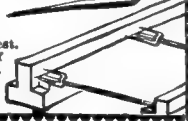
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FULL SIZE
No. 2

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USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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1 in. pipe, \$2.50; 1½ in., \$3.50; 2 in., \$4.00; 2½ in., \$5.00; 3 in., \$6.00; 3½ in., \$7.00; 4 in., \$8.00; 4½ in., \$9.00; 5 in., \$10.00; 6 in., \$12.00; 8 in., \$16.00; 10 in., \$20.00; 12 in., \$24.00; 14 in., \$28.00; 16 in., \$32.00; 18 in., \$36.00; 20 in., \$40.00; 24 in., \$48.00; 30 in., \$60.00; 36 in., \$72.00; 42 in., \$84.00; 48 in., \$96.00; 54 in., \$108.00; 60 in., \$120.00; 72 in., \$144.00; 84 in., \$168.00; 96 in., \$192.00; 108 in., \$216.00; 120 in., \$240.00; 144 in., \$288.00; 168 in., \$336.00; 192 in., \$384.00; 216 in., \$432.00; 240 in., \$480.00; 288 in., \$576.00; 336 in., \$672.00; 384 in., \$768.00; 432 in., \$864.00; 480 in., \$960.00; 576 in., \$1152.00; 672 in., \$1344.00; 768 in., \$1536.00; 864 in., \$1728.00; 960 in., \$1920.00; 1152 in., \$2304.00; 1344 in., \$2688.00; 1536 in., \$3072.00; 1728 in., \$3456.00; 1920 in., \$3840.00; 2304 in., \$4608.00; 2688 in., \$5376.00; 3072 in., \$6144.00; 3456 in., \$6912.00; 3840 in., \$7680.00; 4608 in., \$9216.00; 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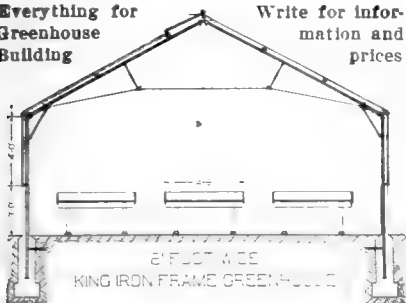
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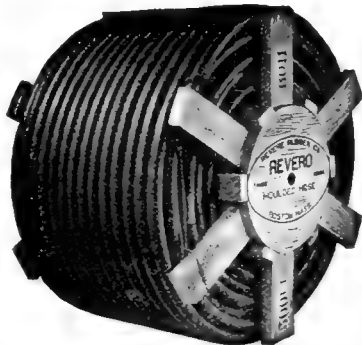
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HORTICULTURE

Vol. X AUGUST 7, 1909 No. 6



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Rocky Mountain Rambles

VII.

In a previous number of HORTICULTURE I discussed the flora of the Salt Lake Basin from which the vegetation of the semi-arid plain of Idaho does not differ essentially. The Sage Brush (*Artemisia tridentata*) is found in southern Idaho to the foothills of the Blue Mountains and eastward from the Cascade Mountains. Along the streams, especially Snake River, there is a great deal of what is commonly called the Cottonwood (*Populus angustifolia*); on the banks of the stream the Sandbar Willow (*Salix fluviatilis*) is an abundant species, while a form of the Almond-leaved Willow (*Salix amygdaloides*) is met very often. The Shiny Willow (*Salix lasiandra*), a beautiful species which should be cultivated in the eastern states, is abundant at higher altitudes. Of the roses the most conspicuous along the streams is the Fendler's Rose (*Rosa Fendleri*). On the dry arid plains Buckley's Meadow Grass (*Poa Buckleyana*) is common, and occasionally the *Oryzopsis cuspidata* may be seen. This species is common east to the Nebraska sand hills and abundant on the plains of Colorado, New Mexico, and the Dakotas. The widely distributed Needle Grass (*Stipa comata*) also occurs; on the dry and rocky hills the western Red Cedar (*Juniperus occidentalis*) occurs in scattered groups. It is the only conifer found on these dry, rocky lava beds.

Leaving the volcanic lava fields of Idaho we may pass on to the Blue Mountains of eastern Oregon, the flora here is much more Rocky Mountain than Cascade. The Bull Pine (*Pinus ponderosa*) at lower altitudes in the mountain attains great size, often more than 150 feet high and six feet in diameter; at higher altitudes the Lodge Pole Pine (*Pinus Murrayana*) occurs. Other conifers occurring at higher altitudes are the Engelmann Spruce (*Picea Engelmannii*) and the Douglas Fir (*Pseudotsuga Douglasii*) which does not, however, attain its maximum height and development until the west slope of the Cascades is reached, where, too, may be found the Shrubby Cinquefoil (*Potentilla fruticosa*) and the large leaved Aven (*Geum macrophyllum*), the Blue-flowered Lupine (*Lupinus leucophyllus*), the Yellow-flowered Bitterweed (*Thermopsis montana*), and the Purple-flowered Monkeyflower (*Mimulus Lewisii*) growing in springs and brooks and in mountain marshes, and the Purple Lousewort (*Pedicularis Groenlandica*).

At the Dalles in Eastern Oregon, on the Columbia, on the eastern slope of the Cascades with a comparatively small rainfall wheat and other small grains are grown without irrigation. Peach and other fruit trees are plentifully planted in the valley of the Columbia. The sandbars formed by the drifting sands from the Columbia river for many miles down the stream are interesting; they are ever changing and were it not for the "sand fences" erected by the Oregon short line these drifting sands would soon cover the tracks. Towards the stream these dunes are often covered over with a



The Black Cottonwood (*Populus trichocarpa*) Columbia River, near Hood River, Oregon, used in the Manufacture of Boxes

willow, known as the Columbia Sandbar Willow (*Salix sessilifolia*), which grows abundantly in this valley. These bars when moist enough become covered with grasses, followed later by this willow.

The Columbia is in many respects the finest large stream in the United States. It is a delightful trip down the Columbia below the Dalles because of a series of rapids and cascades and the constantly changing scenery contrasted with the beautiful green on the mountain slopes. Much of the timber along the slope has long since been removed, but an abundant new growth of pines, firs and spruces is rapidly replacing the old trees.

The eastern slope of the Cascades is much drier than the western slope. In the bottoms along the stream near Hood River one begins to see large trees of the Black Cottonwood (*Populus trichocarpa*) from 2 to 4 feet in diameter, attaining a height of 150 feet, although on the west slope of the Cascades along other streams and the Columbia it may attain a diameter of 8 feet and a height of 200 feet. It is the most magnificent of our poplars. It is largely used for making excelsior and boxes. Below the Dalles one gets a fine view of Mt. Hood, the glaciated peak of the Cascades in Oregon, and a magnificent peak it is. Though not a lofty mountain, it presents a grand spectacle. The most accessible point to reach the mountain is Hood River on the Columbia. The city of Hood River has become famous on account of its fruit industry and has given Oregon more fame in

the fruit line than any other point, although there are many other places equally valuable in that state.

The slopes and valleys were covered with an abundance of Bull Pine (*Pinus scopulorum*) in an early day before the forests gave way to garden and field. The Western Larch (*Larix occidentalis*) was abundant on the slopes and has furnished much lumber; up the valley and on the mountain sides the Douglas Fir, the Western Hemlock (*Tsuga heterophylla*) and Red Cedar of Washington (*Thuja plicata*) become more abundant. The mountain sides are covered with great masses of the Spiraea Aruncus (*Aruncus vulgaris*) with ample panicles of white flowers, a most desirable plant to cultivate in gardens.

The mighty forests of Douglas Fir, Cedar, Hemlock, Larch (*Larix Lyalii*) and Spruce have long since been removed in the vicinity of Portland, but everywhere a vigorous young growth of the various conifers is appearing. Only a short distance from Portland one may still see some of the giants of the forest, at Creighton, a suburb of Portland. A few mighty firs and cedars are abundant in the valleys, and at Vancouver, across the river from Portland several of these monarchs occur on the grounds of the military reservation. The woods about Portland are interesting. Though it be in the summer, during the dry season, there is a vigor to the vegetation not seen in our eastern forests. I was shown a field of Douglas Fir which thirty years before had

been in an oat field. The young trees were 60 and 70 feet high and many of them were 20 inches in diameter. One is astonished to see how quickly the forest species occupy the vacant soil, when left to itself. Some of the enterprising horticulturists have made experiments with various eastern species. The European trees usually do very well; there are splendid orchards of sweet cherries, apples, and pears. Our eastern Shag-bark Hickory and the White Oak, however, make only a very slow growth. The Redwood of California (*Sequoia sempervirens*) is perfectly hardy. The Giant Redwood (*S. gigantea*) is also hardy. The *Libocedrus decurrens* and the White Cedar (*Chamaecyparis Nootkaensis* and *C. Lawsoniana*) also succeed. Splendid specimens occur near Portland. One is interested in the deciduous trees and shrubs found here. The Western Dogwood (*Cornus Nuttallii*) with its large white bracts, surrounding small flowers crowded in a loose head, and its bright and shiny leaves is abundant everywhere. The Madrone (*Arbutus Menziesii*) a small tree with exfoliating bark and the White Oak (*Quercus Garryana*) and Ash (*Fraxinus Oregana*) were common in rocky places. The swales are lined with the Western Wild Apple (*Pyrus rivularis*) and the undergrowth contains an abundance of Beaked Hazel (*Corylus Californica*) the wood of which is used for making rustic chairs and other furniture. The *Spiraea Douglasii*, well-known in cultivation, as well as the *S. lucida*, is common in woods throughout the region. I enjoyed a small outing to Creighton, near Portland. The small village is easily reached by an electric line and a short walk will take one to the woods, the deep recesses with their firs and cedar. At this point Mr. Thomas Howell lives. This farmer botanist is the author of a Flora of Northwest America. He has enriched science by a large number of new species of plants. I spent a pleasant afternoon with him. In conversation with him I learned that he is a self-made man. His school advantages were very meager but in his desire to become familiar with the plants of Oregon specimens were sent to Dr. Asa Gray of Harvard University from whom he received his inspiration to explore the botany of the region. He has sent plants to every institution of note in this country and abroad.

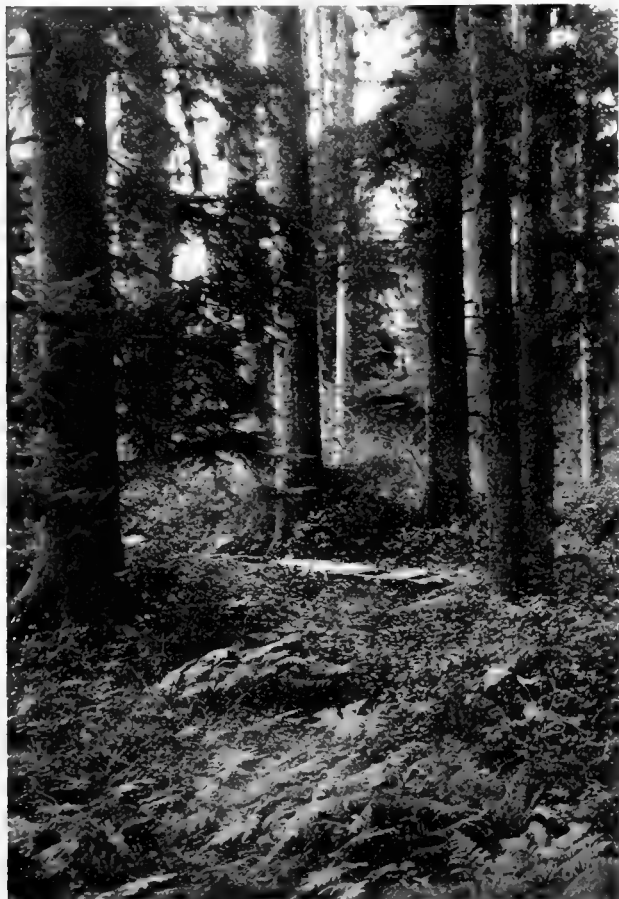
One should not fail to make a trip to the coast down the Columbia to Astoria and the vicinity. Astoria is famous because it was here that Lewis and Clarke spent their winter on their exploring expedition; and later it became a trading post. Not much of the glory of the great forests remains about Astoria. Taking the railway we pass the various small stations; the names of one or two remind us of the Lewis and Clarke expedition. The point where the exploring party made their salt is pointed out to us.

There is Tilamook Head, Ft. Clatsop and other familiar names of this expedition. It will be remembered that Lewis and Clarke named their fort Ft. Clatsop. Fruit trees seem to do well. I saw many apple and pear trees. The atmosphere is so heavily laden with moisture most of the year that the trees become covered with lichens. Everywhere along the coast the Scotch Broom (*Cytisus scoparius*) has become naturalized. The region about the mouth of the Columbia, known as the Tilamook Country, has become famous as a dairy country and should prove a fine country for vegetables and fruit. The low meadows are rich in grasses like Cheat (*Bromus Pacificus* and *B. Hookerianus*), meadow grasses like *Poa macrantha* and *P. confinis*, and common Blue Grass (*P. pratensis*) which has become naturalized everywhere. The Velvet Grass (*Holcus lanatus*) grows



MR. THOMAS HOWELL,
Pioneer and Oregon Botanist.

in profusion not only in western Oregon but throughout the Cascade region in Washington. Two vetches the *L. maritimus* and a larger species *L. polyphyllus* are common near the coast. As we speed along through forest and meadow we reach Gearhart Park, a small summer resort. Here we spend a most delightful time in the woods. The great trees of the Sitka Spruce (*Picea Sitchensis*) only found along the sea coast and said to be the largest tree in Oregon, sometimes reach a height of 300 feet and a diameter of 20 feet. I saw



In a Forest of Young Tideland Spruce (*Picea Sitchensis*) Near the Sea Coast, Gearhart Park, Oregon; Common Brake and Salal in Foreground.

none as large as this, but it was a virgin forest with its Spruce, Hemlock, Cedar and Giant Brakes (*Pteris aquilina*) along the railway. These were as high as I could reach. Where little openings had been made for farms our Eastern Foxglove (*Digitalis purpurea*), the little *Linaria cymbalaria* and Pansy (*Viola tricolor*) were running wild. The Salal (*Gaultheria Shallon*) with black rather sweetish fruit was common with smaller specimens of Spruce and Hemlock. The Beach of the Pacific was only a few miles away. Here a peculiar stunted pine (*Pinus contorta*) and a parent of the original of our cultivated Strawberry (*Fragaria californica*) grew abundantly on the sand dunes and beach away from the tides.

One who has never seen this rugged vegetation of herb, shrub, and tree, in such profusion is filled with admiration at the lavishness of nature's greatness. He wonders why some of these places in all of their primitive beauty cannot be kept for the enjoyment of man.

- L. A. Samuel

Ames, Ia.

Notes from the Arnold Arboretum

Since several years we cultivate at the Arboretum a new India-rubber tree from China. The largest specimens are now six to seven feet high and look healthy and vigorous; they seem perfectly hardy, as they have stood uninjured during the last three or four winters. This tree is *Eucommia ulmoides*, which was discovered by Dr. Henry about 1887 in Central China in the province of Hupeh and described as a new genus in 1891. It was introduced into cultivation about 1895 by Maurice L. de Vilmorin of Paris who had received seeds of it from China and distributed it subsequently to several botanical and horticultural establishments. Fortunately its propagation proved to be easy, as it grows readily from cuttings, as well from half-ripened green-wood cuttings in summer, as also from cuttings of mature wood made in autumn or early in spring. Moreover it was recently reintroduced by E. H. Wilson who sent seeds to the Arboretum which germinated freely and yielded a large number of young plants.

Eucommia ulmoides has been for some time a puzzle to botanists as to its systematic position and relationship. In its general habit and appearance of its fruit it suggests an affinity to the Ulmaceae, though it has no real relation to that family; it was at first tentatively placed with the Euphorbiaceae, a family which includes a number of India-rubber yielding species; by other botanists it had been referred to the Hamamelidaceae, while at present it is generally conceded that its nearest relation is with the Trochodendraceae, a small family related to the Magnoliaceae and including also *Cercidiphyllum* and *Euptelea*, both in cultivation at the Arboretum. *Eucommia ulmoides* is a tree in appearance much like an Elm-tree and reaching in its native country a height of about thirty feet. The alternate leaves are oblong or oblong-ovate in outline, sharply serrated and long pointed and measure from three to six inches in length. The flowers appear early in spring with the leaves and are rather insignificant, the staminate ones resembling those of *Cercidiphyllum*. The fruit looks like an elongated fruit of the English Elm and is about one and a half inches long. From this it appears that the tree has hardly any particular ornamental qualities, but from an economic point of view as a new source of rubber, it may prove to be an exceedingly valuable introduction. In China, however, where the tree is known under the name "Tu-chung" it is cultivated only for the medical properties of the bark which is highly valued by the Chinese; besides the fine threads of caoutchouc which appear when pieces of the bark are broken and carefully drawn apart are used for covering wounds. Chemical investigations made in France and England have shown that caoutchouc is present in every part of the plant except in the wood, but particularly in the bark and in the fruits and that it is of good quality. Experiments on a larger scale, however, have not yet been possible as the dried bark is only available in small quantities and the cultivated plants are still too small to yield sufficient material. Therefore the real commercial value of the new rubber-tree remains still to be demonstrated, but to all appearances *E. ulmoides* will have a future as a rubber producing tree, particularly as it is the only rubber-tree known which is hardy so far north.

Alfred Rehder.

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handling insect problems may lead us. The well-marked absence of birds from territory where thorough spraying of large tracts have been practiced seems to give warning that in our zeal to escape one danger we are hazarding another. It was asserted by a member at a recent meeting of a certain horticultural society that twenty four dead robins and fifty dead sparrows had been found in a place which these birds usually frequented, soon after the trees in that locality had been sprayed. This is a phase of the insect campaign which seems to demand attention and careful investigation.

Wood preservation

The increasing scarcity and advancing price of wood has spurred ingenuity in various directions to find material to take its place in the different uses to which wood is put and to prolong its usefulness when used. The experiments which the national government is now conducting with reference to increasing the durability of timber and boards by chemical treatment are of particular interest and value to the owner of greenhouses. The high humidity and heat of the greenhouse is conducive to rapid decay, and if any process can be perfected whereby this may be arrested, and whereby as a further result a lower grade of lumber may be used, it will be a great help and material saving in expense of construction and repair. The investigation now going on and the conclusions reached by the government experts will be followed with much interest by the horticultural fraternity.

A local issue

The Manufacturers' Association and other business interests centering in Salt Lake City are agitating the question of home grown shrubs and trees versus nursery stock shipped in from eastern sources. "That representatives of eastern houses should come here and capture the trade they do is a matter of mystery to the nurserymen of the city," says the Salt Lake City Telegram. It states further that "an effort will be made to start a campaign against the eastern orchardists, in line with the general fight for the patronizing of home industries and home products." Nobody can reasonably find fault with all this. It is a laudable purpose. But the rule which prevails universally wherever buying and selling are carried on must be reckoned with, viz.—that the goods must be equally good and equally cheap in price and the terms equally favorable if the local dealer is to control the business; and then, after all has been said and done, there remains the good advertiser whom, everything else being equal, you can't beat out, no matter where he comes from.

A promising "infant industry"

News from northwest Washington relative to the outcome of experiments carried on by the government for the past five years is very encouraging to all who would like to see the bulb-growing industry well established on American soil. So firmly has the idea been rooted among horticultural people that the peculiar adaptability of the lowlands of Holland, together with low cost of labor there, presents an insuperable obstacle to profitable competition on this continent, that it has been the custom to scout as visionary and absurd any suggestion that home production of the so-called Dutch bulbs might yet be made a commercial success. That the proper soil and requisite climatic conditions have at last been found by the Department of Agriculture, seems now, however, probable. In fact, it is boldly stated that the bulbs produced in this land are superior in health, blooming, and all other qualities to the best Holland product. Furthermore the land value is but a fraction of that of the Holland farms.

The statements which are repeatedly made as to the deadly effects on the birds, of the poisonous sprays so generally used for insect extermination, are both startling and disquieting and furnish good cause for anxiety as to where our present methods of

An alleged source of danger

TURKISH METHOD OF CULTIVATION OF GARDENIA FLORIDA.

For the cultivation of *Gardenia florida* at Constantinople a method has come into employment, original and practical, which might be employed with advantage in other countries, where the climatic conditions are suitable. It quite differs from the practice in other parts of Europe. The cuttings are taken at the beginning of the month of January, and these consist of healthy shoots of the previous year's growth. They are cut at a joint and struck in a bed in the propagating house. This bed is made in the following manner: A layer of beech tree leaves, in a decayed state, and peat in equal proportions is placed at the bottom about 6 c. m. deep, and over this a layer 2 c. m. deep of thoroughly washed, coarse-grained quartz sand. When the cuttings have been put into the bed the lights are placed over them and kept close. The warmth of this bed should be maintained regular at from 15 to 18 degrees C., and the cuttings lightly sprinkled twice or thrice daily. As the *Gardenia* has a great preference for the kind of soil afforded, the cuttings make strong roots, and mostly form small and good balls. In March the cuttings are taken out of the bed with as little disturbance of the balls as possible and potted and placed on a frame having a warmth of 15 to 18 degrees C., close to the glass, and no air afforded. They must be closely watched, and when growth commences the points must be pinched out, in order that no runaway shoots form.

Syringing and shading according to the weather conditions should be duly afforded. The cuttings remain in this dungbed for a period of six weeks, during which they become well rooted, and develop good bushes. At the end of April they are fit to be placed in the culture bed. The making of this bed is the foundation of the magnificent results of the Turkish method of cultivation. The frames are packed with paper and carton waste from the cigarette factories which maintains a regular steady warmth for the entire year. The paper, etc., is placed in the frames to the depth of about 2 ft. 4 in., properly wetted, and turned over several times similarly to stable litter, and finally made firm. On this mass of heating material is placed a 9-inch layer of leaf mould and peat, to which a quantity equal to one-half of the whole, of decayed wood (chestnut) is added. A bed made in this way will retain its warmth for one year. A bed made of the wings of spruce seeds will last an equal space of time. The plants are turned out of the pots into this bed at the end of April and in the early part of May, at a distance apart of 16 inches quincunx fashion, the lights are put onto the frames and kept close till the plants begin to grow. Later ventilation and syringing are afforded by day. In June the lower boards of the frames are removed all round, above ground, and the lights supported on bricks, at such a height that the plants are about 9 inches distant from the glass. The glass is shaded with a mixture of red clay and water and as rain seldom occurs in the

period of May-September, this kind of shade answers admirably, but should it be carried away by rain it is an easy matter to replace it. Clay is better than lime, the latter having an affinity for the oil in the putty, causing it to fall away and spoiling it.

In the course of the summer the stronger shoots are stopped, the plants syringed, in accordance with weather conditions and the light raised gradually as the plants grow in height. In October, the plants are lifted with good balls and potted in suitable-sized pots, not too large, and plunged in a mild dung or leaf bed and the lights kept closed for a time. After the lapse of a month the plants have filled the pots with roots and should be placed in the intermediate house to develop their flower buds, and in February and March to expand.

Under the above kind of treatment *Gardenias* grow to a height of 50 to 60 c. m., and carry always from 30 to 40 flowers.

FREDERICK MOORE.

USEFUL BOOKS.

We can supply the following books, postpaid, at the prices listed:—

The American Carnation. C. W. Ward. Price, \$3.50

Chrysanthemum Manual. Smith. Price, 40 cents.

The Chrysanthemum. Herrington. Price, 50 cents.

Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.

Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.

Daffodils-Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.20.

Roses and How to Grow Them. By Many Experts. Price, \$1.21.

The New Cyclopedia of American Horticulture. L. H. Bailey. Four volumes, \$20.00.

How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

KEEP FISHIN'

Hi Somers was the durndest cuss

For catchin' fish—he sure was great!

He never used to make no fuss

About the kind of pole or bait,

Er weather, neither: he'd jest say,

"I got to ketch a mess today."

An' toward the creek you'd see him slide,

A-whistlin' soft an' walkin' wide.

I says one day to Hi, says I,

"How do you always ketch 'em, Hi?"

He gave his bait another switch in.

An' chucklin', says, "I jest keep fishin'."

He took to readin' law at night

And pretty soon, the first we knowed,

He had a lawsuit, won his fight.

An' was a lawyer! I'll be blowed!

He knowed more law than Squire McNab!

An' though he had no "gift of gab"

To brag about, somehow he made

A sober sort of talk that played

The mischief with the other side.

One day, when someone asked if Hi'd

Explain how he got in condishin,

He laughed an' said, "I jest kept fishin'."

Well, Hi is Gov'nor Somers, now;

A big man round the State, you bet -

To me the same old Hi, somehow;

The same old champion fisher, yet,

It wan't so much the bait er pole,

It wan't so much the fishin' hole,

That won for Hi his big success;

'Twas jest his fishin' on, I guess;

A cheerful, stiddy, hopeful kind

Of keepin' at it—don't you mind?

And that is why I can't help wishin'

That more of us would jest keep fishin'.

—Chicago News.

A TRIBUTE TO THOMAS C. THURLOW.

In the death of this gentleman, Horticulture loses one of its finest representatives. He was a devout and reverent Christian and all the flowers he so dearly loved seemed to be a part of him. He was one of the purest, sweetest souled men I ever saw. I never knew a man with a finer appreciation of all that was beautiful. His grounds were a garden of delight and how he did enjoy his flowers. Lovingly he would linger over them and drink in their beauty. And while quite ill his children went out and gathered armfuls of his finest peonies and stood great vases full of them around him and he said with rapture "They cured me. They were the best doctors I ever had."

He was the father of the American peony business. He wrote the first article of any importance ever written on the subject in America. He first awakened in the heart of the writer an interest in this resplendent flower and much of the interest in late years in perennials is traced to him. He always wanted the best regardless of price and almost always carried off the prizes at the great Boston shows.

I first became acquainted with him in the fall of 1889. We had some correspondence and he wrote me while living in Franklin, Nebraska, that if I ever came East I must make his house my home. I did so and was immediately adopted into the family. We became chums. We were of the same age and he would introduce me as his twin brother. Once while recovering from rheumatic fever he took me home and kept me till I recovered. Our comradeship is one of my pleasantest memories. It was such a shock to hear of his death. He was never strong and for the last ten years he was an invalid, spending several winters in the South.

He married late in life and leaves four children. His daughter Susan was his constant companion and gave him almost reverent attention. Edward is preparing for the ministry. George and Winthrop are proficient horticulturists and will carry on his work.

He was born in 1832 and was nearly 77 when he passed away July 21st. He gently breathed his last surrounded by devoted wife and children. His last letter was written to me.

He leaves a better and more beautiful world as he passed through it on to the

"Sweet fields beyond the swelling flood
And never withering flowers."

C. S. HARRISON,

York, Neb.

SCALE OF POINTS FOR DAHLIA JUDGES.

The following scale of points has been adopted at Newport, R. I., in judging all dahlias except Pompons and Tom Thumbs:

Individual Blooms.		Collection of Blooms.	
Points		Points	
Size	5	Size	4
Color	5	Color	4
Form	5	Form	4
Stem	3	Stem	3
Foliage	2	Foliage	2
		Arrangement	5
Total	20	Total	20

NEWS OF THE CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Rudd Will Not Be a Candidate for Re-election.

As I find it impossible to do full justice to my other work and at the same time do all that might and should be done for the betterment of the S. A. F., I find it necessary not to allow my name to be used as a candidate for re-election.

The office is of so much importance and the prosperity of the Society depends so largely on the man in the secretary's office, that I feel it necessary to make this advance announcement so that the members may have ample time to think the situation over carefully and pick out in their own minds the best available man and be prepared to work for and vote for him.

I think perhaps very few in the Society, possibly none except William J. Stewart and myself fully realize what an enormous amount of work comes to the able, energetic and honest man in the office of secretary of this great society of ours, and what a great proportion of that work the man who has not the ability or the energy to do it or who is not honest enough to give to his work the best that is in him, can shirk. The salary of the office at present is \$1000 per annum. A man can if he chooses sit down on the job and do \$250 worth of work and pocket the other \$750 as a Christmas present. On the other hand, the right man can do \$1500 worth of work and then feel dissatisfied with himself that he has been unable to take up many things that would undoubtedly in the future advance the Society's interests and increase its membership. The bad point about the matter is that much of this important work shows only in future results and the secretary may if he chooses shirk a large proportion of it without the rank and file of the society becoming aware of his shortcomings for a long time. The society has much to be grateful for in having had the long continued services of so able a man as Mr. Stewart, and I sincerely trust that they will pick out the best man available with the idea of continuing him in office for a long term of years.

Every member of this society who has the good of the organization at heart should bear in mind that it is, although twenty-five years old, only in its infancy as yet; that the possibilities for growth and the extension of its influence and its ability to do good for the trade at large and for the individual members is almost infinite. The secretary whom you will choose at the next meeting will have the destiny of the society largely in his hands and it behooves each and every member to put aside all questions of personal friendship and look only to the man, and to his honesty and ability. If anyone asks you to vote for a man because he is a "good fellow" vote against that man for that very reason. The "good fellow" in the ordinary acceptance of the words, is the very

worst fellow in the world for your secretary. If any one asks you to vote for a man because he "needs the money" vote against that man for that very reason. If you are personally a friend of either of the class of men spoken of above, vote against each of them for that reason also. The friend of the "good fellow" should keep him out of a position where nothing but failure awaits him. The friend of the man who "needs the money" should realize that he can get more money in many easier ways than in this position. There is no easy money to be made in the job except by taking money for work which one does not do.

I have enjoyed immensely getting back into harness again and having an active part in the work of the society. I have enjoyed the work itself greatly and if the society wished me to continue in the office would ask no greater pleasure than to go on with that work, but to continue in the office would be to either let my own work suffer or that of the society, or more likely both.

I know that no man engaged in active business, either as a proprietor or as an employee, can take up this work and carry it out so that the society may achieve the success which is within its grasp, unless he grossly neglects his own business. Therefore, we must look elsewhere for the ideal man. As a matter of good sound business policy also, the man selected should be a young man or at least not an old one. We should select our secretary much as we would buy a horse. The old horse may be well broken, sound and strong, and yet we will buy the young one, because there are more years of work in him. In the same way we should select for office a young man for secretary with the idea of postponing as far as possible the expensive process of educating a new man for the job.

I trust and believe that the members of the society will not take offense at my plain speaking, but if they do I shall simply be sorry but not regretful. The thing is of such vital importance and of such great interest to us all that these words had to be spoken.

W. N. RUDD, Secretary.

August 2, 1909.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The Ladies' Society of American Florists will hold their meetings at the Assembly room of the Sinton Hotel, Wednesday and Thursday, August 18, 19 at 10.30 a. m. The secretary will be found near Secretary Rudd's office. Lady members please wear your badge pin. MRS. CHAS. H. MAYNARD, Secretary.

HOTEL RATES AT CINCINNATI.

The Burnet House, which is one of the most comfortable hotels in Cincinnati, announces special reduced rates for florists attending the S. A. F. Convention, as follows:

American Plan—\$2.50 per day and up.

European Plan—\$1.00 per day and up.

CINCINNATI FLORISTS' CLUB.

Meeting of Board of Governors.

One of the most interesting and important meetings held by the Board of Governors took place at the Sinton Hotel, Monday night, August 2nd. The finance committee reported they had in the bank very nearly \$3,000. The souvenir committee reported they have raised \$2,800. A copy of the Souvenir Book was presented to the Board of Governors, and was pronounced by far the most beautiful book of its kind that has ever been issued for a similar occasion. It is now being mailed to subscribers and members of the National Society. The committee on badges and buttons submitted samples. A plain white badge with the words "Reception Committee Cincinnati Florists' Society," was adopted. A silver button bearing the words "S. A. F. & O. H., 1884-1909, Cincinnati," was adopted.

Supt. of Exhibits, Wm. Murphy, announced that up to the present time he has sold 11,900 square feet of space, amounting to \$1,857. He also announced that there will be a charge of 25 cents for admittance on Thursday afternoon, August 19. As a special inducement, the Superintendent has made arrangements to have a special cut flower exhibition. John Lewis Childs will present a spike of gladiolus to every visitor on that afternoon.

Chairman A. M. McCullough has arranged to hold the President's reception at the Zoological Garden. This place is by far the coolest in proximity to Cincinnati.

The sports and ladies' committee announced that they have arranged in Heidelberg for an afternoon of bowling. The ladies' bowling match will be pulled off at this place, and luncheon will be provided for all in attendance. They have received about fifty prizes from local merchants, among them being a \$55 shotgun and a beautiful loving cup. For the shooting tournament Mr. Gardner has six or eight splendid prizes to offer. The crowning feature of the convention takes place on Friday, when all in attendance will board the Island Queen, a very large and commodious five-decker, which has been chartered by J. A. Peterson to take the entire convention to Coney Island where a barbecue will be awaiting them.

AMERICAN CARNATION SOCIETY.

Members of the American Carnation Society please take notice that there will be a meeting held at Cincinnati, O., at 2 p. m., on August 19th. This is a meeting of the board of directors, but all members who happen to be attending the S. A. F. & O. H. convention are cordially invited to meet with the board. Matters of importance will come before this meeting, and as we are allowed only 45 minutes, you are urged to not only attend but to be prompt, to avoid loss of time.

A. M. HERR, Pres. A. C. S.

Attest A. F. J. Baur, Sec.

THE PARK SUPERINTENDENTS AT MINNEAPOLIS.

The delegation of Park Superintendents going by way of Yellowstone Park to the convention at Seattle spent July 29 at Minneapolis sightseeing, as guests of Park Superintendent Wirth. There was general admiration for the Minneapolis Park system and its possibilities. The Webber Memorial Building at Camden Park was inspected, followed by a tour to Fairview Park, St. Anthony Parkway, Riverside Park, Minnehaha Park, where refreshments were served, Lake Amelia, Lake Harriet, Rose Garden, Loring Park, Kenwood Parkway, Lake of the Isles, Lake Calhoun and back to Lake Harriet. Dinner was served at the latter place, after which the visitors took a trip around the lake in the gasoline launch. At 10.45 p. m. they took the train for Yellowstone Park. The party was made up of the following: John W. Duncan, Boston; Earle G. Constantine, Spokane, Wash.; Mr. and Mrs. William S. Manning, Baltimore; Herman H. Boyer, South Bend, Ind.; M. L. Moore, Toledo, Ohio; John T. Withers, Jersey City, N. J.; Jackson Dawson, Boston; Mr. and Mrs. Harry T. Richards, Chicago; Daniel H. Ellis, Saginaw, Mich.; Miss Keith, Bridgeport, Conn.; and Mr. and Mrs. Theodore Wirth, Minneapolis.

FLORISTS' CLUB OF PHILADELPHIA.

Convention matters occupied most of the monthly session of this club held on the 3rd inst. It was decided to take the train leaving Broad Street Station 12:31 noon, Monday, August 16th, and due in Cincinnati at 8:15 a. m. the following morning. Those wishing to join the party should advise John Westcott, Ridge and Lehigh avenues, Philadelphia, in advance. It was voted to extend the freedom of the club room to the R. R. Gardeners' Association on their visit here August 24, 25 and 26. A committee consisting of Paul Huebner, H. F. Michell, H. M. Earl, Thos. Meehan, W. F. Dreer, Geo. Anderson and John Burton, was appointed to devise any sight-seeing courtesies that might be deemed desirable for the visitors. A motion to appoint a committee to confer with the P. H. S. about the club room, which will soon have to be vacated, was carried; personnel of said committee being left to the president.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The Chrysanthemum Society of America will hold their next meeting and exhibition with the American Institute, New York, next November. Mr. Wm. Wells, the well known chrysanthemum specialist of Earlwood, Surrey, England, is expected to be present and has been asked by President Smith to serve as one of the judges. A schedule of prizes is now being arranged and will be mailed as soon as ready to any one interested, upon application to the secretary.

CHARLES W. JOHNSON,
Rockford, Ill. Secretary.

AMERICAN INSTITUTE.

The annual chrysanthemum show of the American Institute of the City of New York and the Chrysanthemum Society of America will be held at the Berkeley Lyceum Building, New York City, on Wednesday, Thursday and Friday, Nov. 10-12, 1909.

The schedule of prizes offered by the American Institute is out and copies can be had on application to Wm. A. Eagleson, secretary, 19-21 West 44th Street, New York. The prizes are, as usual, very generous.

The schedule of the Chrysanthemum Society of America, whose exhibition will be held in conjunction with that of the American Institute will be issued soon.

DETROIT FLORISTS' CLUB.

The meeting of this club on August 2, was taken up with the election of officers, which resulted: President, Chas. Plumb; vice-president, G. Brown; secretary, H. Schroeter; treasurer, Rob. Rahaley; librarian, H. Pickworth. The usually prevailing good nature came near being disturbed because all the old officers persisted in declining the repeatedly offered re-nomination. As far as can be ascertained, only ten members will go to Cincinnati.

DANZER.

CLUB AND SOCIETY NOTES.

The Connecticut Horticultural Society will hold a dahlia show at Unity Hall, Hartford, September 23 and 24, and a chrysanthemum show on November 3 and 4.

The Boston Mycological Club has arranged for an exhibition of mushrooms on Mondays in a location easily accessible by the busy element and visitors will be instructed as to the various kinds of fungi.

The Connecticut Pomological Society has issued a circular urging zeal in the attention given fruit culture in order that a creditable showing may be made by the state at the New England Fruit Show in Boston in October.

The American Breeders' Association will hold their annual meeting on December 8, 9, 10, at Omaha, Neb., in connection with the National Corn Show. Addresses by scientists and breeders prominent in the plant world are included in the program.

You can become a life member of the S. A. F. for \$25.00 (if your 1909 dues are paid). If the proposed amendment carries, the fee will be \$50.00. Why not take advantage of the present low rate? Life members pay no dues.

The Bar Harbor Horticultural Society will hold their flower show on August 14 in the Art Building, Bar Harbor, Me. The judges will be J. A. Pettigrew, Boston; W. N. Craig, North Easton, Mass.; Kenneth Finlayson, Boston; T. D. Hatfield, Wellesley; Duncan Finlayson, Brookline; Robert Cameron, Harvard Botanic Garden; Joseph Clarke, Sr., Manchester; Joseph Clarke, Jr., and Mr. Meredith, Lancaster, Mass.

During Recess

BUFFALO FLORISTS' CLUB.

The annual outing of the Buffalo Florists' Club was held on Wednesday, July 28, at the Bedell House, Grand Island. The day was an ideal one and the members with their families, friends and fellow-florists were on hand to enjoy the day of sports. The program consisted of many sporting events, which began soon upon arrival.

The delivery boys' race was quite interesting, especially to the store men. Winners: Stuntz 1st, Klokow 2nd, Tobin 3rd, Gittere 4th. In the 100-yard dash the winners were: Klokow 1st, Kinkel 2nd, Stuntz 3rd, Longley 4th. In the ladies' race there were a number lined up at the tape, the prize being a valuable one. Thefortunates were: Miss Bemish 1st, Miss Densen 2nd, Miss Adams 3rd, Miss Slattery 4th. Miss Cassidy and others "also ran."

The old men's race was next called by Geo. McClure, the able announcer, and a fast bunch of old men were on the line ready for the word. The betting was on Shank with odds 5 to 1, but the dark horse Reichert won by a nose with Brucker a close 2nd, Slattery 3rd, Priesach 4th, and a dozen "also rans." The relay race was won by Palmer's men, who have been in training since their last defeat about a year ago. The runners were: Walther, Kinkel, Griever, Stuntz, Clark and Longley.

The tug-of-war was about the hardest pull the greenhouse men have had in some time. Their opponents, the store men, who naturally are of light weight, gave them a hard time and only lost by one-half inch, the time being two minutes. Time keeper, ex-President Sandiford; judge, Louis Neubeck. W. A. Adams furnished rope and cheers.

The consolation race was won by Foebelcorn 1st, Jack Jerome 2nd, Savage 3rd, Clark 4th, Campbell 5th. Arth Beyer was booked for the winner, but was side-stepped by President Slattery and in consequence was dragged on the green grass and ruined a new shirt. The hop, step and jump was won by Longley, with Greiver 2nd, Kinkel 3rd, Stuntz 4th.

After a brief rest the ball game was called—greenhouse men vs. store men. Such notables as Scott, Boettger, Gettre, Foebelcorn, Frank, Cloudsley, Ehlman, Shank and R. Scott played for the greenhouses; and Kremer, Griever, Kinkel, Longley, Beyer, Clarke, Gittere, Jerome and Walther for the store men. E. C. Brucker had charge of the fountain and refreshments and the players were in excellent condition. In the fourth inning the greenhouses made four tallies, but in the sixth the storemen got the batting fever and secured six runs on a fumble of Beyers. The batteries were in excellent condition and deserve much credit. After the games all were ordered to the banquet hall which was beautifully decorated in the club's colors. Brief remarks were made by Toastmaster

Kasting who stated that he had come 88 miles to enjoy a gathering of this kind, W. A. Adams, Pres. Slattery, Chas. Keitsch and others. The prizes were then distributed to the lucky winners. All in all a very pleasant day's outing was had by all and the committee is again to be congratulated upon their success.

A PLEASANT SEND-OFF.

S. S. Butterfield, who is leaving New York for the west, was tendered a farewell luncheon at the Hotel Earlington on Friday afternoon, July 30, by a party of friends in the New York Florists' Club as a testimonial of their esteem for his companionship and his work in the club and their good wishes for his success in his new field. There were present: C. B. Weathered, who presided; F. H. Traendly, W. F. Sheridan, John Young, C. H. Totty, F. L. Moore, A. Jaenecke, Robert Simpson, F. R. Pierson, J. Austin Shaw, John Eirnie, H. E. Froment, A. H. Langjahr, E. Dailledouze, A. T. De La Mare, A. F. Faulkner, Henry Weissman, I. S. Hendrickson and the guest of honor, S. S. Butterfield. Speeches were made by all and Mr. Totty presented Mr. Butterfield on behalf of his friends—those present and some who were absent—a solid silver set of table cutlery. Mr. Butterfield responded appreciatively. J. Austin Shaw read the following original verses:

I'm sure we wish,—both you and I,—
The West may of its fortunes yield,
Give good success and sunny sky
And happy years to Butterfield.

So here's a toast, let's drink together:
Long may he live to bless his kin;
Find there but little stormy weather;
All of life's battles bravely win.

Feather his nest with softest down,
Reap the reward of strong endeavor,
Soon be the mayor of Buttertownt,
Lots of "mazuma" quickly gather.

And when the evening shadows fall,—
Say about nineteen fifty-five,—
May you, and he, and I, and all,
Still be on earth, and "very much alive."

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The Gardeners' and Florists' Club of Boston will hold a field day at the Framingham Nurseries of W. B. Whittier & Co. on Saturday, August 14. Members and friends will kindly take Boston and Worcester electric leaving Park Square at 1 o'clock. The Framingham Nurseries cover 175 acres and should prove very interesting to all who can attend. A cordial invitation is extended to any interested friends who may not be club members to join in this field day.

W. N. CRAIG, Secretary.

NEW YORK BOWLING TEAM.

Having been appointed captain and manager of the New York Club's Bowling Team at the Cincinnati Convention by the committee of arrangements, F. H. Traendly, F. R. Pierson and John Young, I designate Aug. 6th, 10th and 13th, 7 p. m., at Thum's Alleys, Broadway and 31st St., entrance 31st St., as the official evenings for making records to determine the team that will bowl in the national contest. Those failing at these record tests will not be considered eligible for the team.

ROBERT E. BERRY.

100 W. 103rd St., New York.

Obituary.

Mrs. Asa Gray.

Having outlived her famous husband more than a score of years and edited many of his letters and unfinished manuscript, Mrs. Jane L. Gray, widow of Asa Gray, the great botanist, died July 29 at "Burnside," Pride's Crossing, Mass., the summer home of her nieces, Miss Katherine P. Loring and Miss Louisa P. Loring. Mrs. Gray was keenly interested in the scientific researches of her husband and assisted him actively. She was 84 years old and a native of Boston. Mr. Gray died in 1888.

The funeral took place at the curator's house within the Harvard Botanical Garden at Cambridge, where Mrs. Gray continued to live after her husband's death. Burial was in the family lot in Mt. Auburn cemetery.

Varnum Frost.

Varnum Frost died at his home in Arlington, Mass., on July 30, aged 84 yrs, 7 mos. Mr. Frost was long widely known in the field of horticulture and agriculture. He was a very successful farmer and was one of the first to engage in market gardening. He went to Arlington when the place was thinly settled and he lived long enough to see nearly all of his original farm built upon. He retired from active life several years ago and since that time has made his home with a daughter. He was an active member of the Massachusetts Horticultural Society, serving on many important committees for a period of nearly half a century.

Richard G. Beneke.

Richard G. Beneke, of St. Louis, brother of J. J. Beneke, died on Wednesday, July 28, at the age of 49. Mr. Beneke was employed at the City Park Department and was well known among the trade, having been at one time in the store of his brother on Olive street. The funeral took place on July 30. He leaves a wife and two grown children. His many friends sent beautiful floral pieces and the St. Louis Florist Club sent a large standing wreath.

Mrs. Caroline C. Massey.

Mrs. W. N. Rudd has the sympathy of the trade in the loss of her mother, Mrs. Caroline C. Massey, who passed away at the home of her son, at Albany, N. Y. The funeral was held at the Rudd residence at Blue Island, a suburb of Chicago, and interment was made at Mount Greenwood. It is interesting to note that Mrs. Massey was the daughter of Norman Rexford, the first settler in Blue Island, and Mrs.

Massey went there with her father in 1835.

Edward M. Lyman.

Edward M. Lyman, founder of the firm of E. M. Lyman & Son, Springfield, Mass., died on August 1, at the age of 84. He built up an extensive seed business, and carried into it the experience gained from the Shakers by whom he was employed as a young man. He is survived by a widow and a son, Albert E., president of the company.

John R. Hellenenthal.

John R. Hellenenthal, who has been engaged in the florist business since 1853, died on July 27 at his home in Columbus, O., where he has resided for thirty years. He was connected with many local organizations and an active worker in all. He has been a member of the S. A. F. from the first convention in Cincinnati, in 1885, until 1904.

Heman Copeland.

Heman Copeland, a pioneer market gardener and the largest in No. Bridgewater, Mass., in the early days of that town, died in Chula Vista, Calif., on July 25, at the age of 66. A widow and two brothers survive him.

George Walker.

George Walker, superintendent and care taker of the Jabez Elliott Flower Market, Cincinnati, O., since it was started, died on July 25. An earnest worker whose place will be hard to fill.

PERSONAL.

John Forbes has resigned his position as gardener for Mrs. William B. Leeds at Newport, R. I.

Jacob Peterson has taken the position of manager for the Warren Point Floral Co. Warren Point, N. Y.

E. J. Deal, of W. W. Johnson & Son, Boston, Eng., is due in New York on Aug. 5. He will stop at the Imperial.

Visitors in Boston this week: W. A. Manda, So. Orange, N. J.; C. B. Weathered, New York; James Stuart, Mamaroneck, N. Y.

Fred Coles, A. J. Newell and D. Iliffe started from Boston on Monday night on a sight seeing trip to New York and Philadelphia.

Frank Howard Oransky, a florist of Cambridge, Mass., feels that his name is a business disadvantage, a cause of social prejudice, a financial detriment and a personal inconvenience. Therefore, weighed down with this long list of troubles, all caused by his last name, he petitions the Middlesex Probate Court for the right to lop off "Oransky" and allow him to henceforth be known as Frank Howard.

ROSES AND THEIR CULTURE FOR COMMERCIAL PURPOSES.

Paper Read Before the Morris Co. Gardeners' and Florists' Society, April 14, 1909, by Wm. G. Badgley.

As you all know, there are a few well defined principles and rules regulating planting, watering, cutting, tying, ventilating, etc., and, as these rules have been thoroughly threshed out before you time and again and, furthermore, as they have been practically accepted and adopted by all, we will not at this time go over them.

Selecting a Site.

The first thing to consider, and I now speak to those who have not as yet started in the rose growing business or those who contemplate expanding, is where to locate and what style of house to build. As to location I would say that this question should be well thought out before starting. Here are a few points in this matter to consider! A location near a railroad station should be secured, not too far from the point where your goods are to be disposed of, as selling cut flowers, be it through a commission house or otherwise, should be watched as closely as the fires in your boilers, I assure you. Then, again, being located closely to a shipping point will save you considerable in the way of teaming, carting supplies, shipping goods, carfares, etc., which expense will be perpetual. You should also select a location on property that is not too expensive, for the more you pay for your property the greater is your investment, and, therefore your place would have to pay just that much more on the capital invested to show the same percentage of gain as it would do on less expensive ground. This would also be a perpetual expense.

In securing property to erect your houses on, you should consider how the ground lays, what kind of a bottom you will have, whether or not your cellars would be dry, what kind of soil you are getting to grow your plants in, whether you are getting enough ground to expand on, and whether the property is in a place likely to increase in value. Property that is as nearly level as can be secured, with some place to run your cellar drains into, is the best. You should not build where you cannot drain, unless your bottom is gravel, as water in your cellar and standing around your houses is very detrimental and discouraging.

The Question of Soil.

A sandy or gravelly bottom is desirable, as this kind of bottom will absorb surplus water from watering and rains quickly, leaving the bottom of your houses practically dry. This you will find to be a big advantage in battling black spot and mildew. I would advise, by all means, when purchasing property for this purpose, to get enough, for the probabilities are you will never buy as cheaply again. You will need it to expand on, and you should have enough to procure all soils for growing purposes from. I believe that soil for

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greenhouse purposes should be prepared in the field as nearly as possible to the conditions wanted when put on your benches. The reason for this is that cow manure in this vicinity is getting scarce and expensive. I would add, too, that the handling of this article in the form of mulching or otherwise, is the most disagreeable occupation one can be put at, aside from the fact that it is very detrimental to the growth of your plants if applied in bulk as I have seen some use it, more especially in the short days when it is hard under the most favorable circumstances to dry out your benches, or if applied in its green state when no air of consequence can be used.

Fertilizing.

In preparing soil in the field one can, by plowing in one or two crops of green stuff, cultivating, applying lime, bone, and stable manure, in sufficient quantities obtain a soil that will by giving a light top dressing of one-half rotten cow manure and one-half good soil, once in the spring and once in the fall, or oftener when the vigor of your plants call for it, produce better results with less expense than by using cow manure in the manner spoken of above. I recommend top dressing with a good sheep manure, which should be watered in for the purpose of general feeding. I say sheep manure, because this article contains nearly the right proportions of phosphoric acid, potash and nitrogen and ammonia. Apply at the rate of about 200 lbs. to a 20 x 150 ft house about once a month, or a little oftener in the long days when your plants are growing rapidly. A watering of good, strong, fresh cow manure liquid once a month is a very good way of feeding also. I would say that in a light soil which dries out quickly, and where water can be applied often, feeding can be done oftener to advantage.

Dimensions of House.

As to size of house.—As I have had no practical experience in building, operating, or maintaining the larger or modern houses, I therefore can give no experience in the matter, of my own, but I will say a few words based on what I have gathered from observation, and the related experience of well known growers.

A house from forty to sixty feet in width, built of what is known as iron

construction with concrete sides and cast iron posts set in concrete, is about what is considered perfection at the present time. A house of this character can be built for less money per square foot of ground space covered than wooden houses of the old style eighteen or twenty feet wide. They are easier and less expensive to operate and will produce better goods under identical conditions, as well as being less expensive to keep in repair, and will cover less ground as there will be less wasted space between them. As to the length of house, I would say that it makes no difference how long a house is, if partitioned at intervals of 150 or 200 ft., providing the heating and management can be economically and satisfactorily arranged.

To give an idea of the extremes to which some of our growers have gone, will mention a house I have in mind which is 156 ft. wide and 725 ft. long. This house according to its owners, is giving perfect satisfaction, and they have under construction at the present time a house 174 ft. wide and 725 ft. long. This should be watched with interest by all. I also know of another house 1340 ft. long and 60 ft. wide, which I know has produced as fine Killarney as was ever grown, and its owner says that he would build it longer if he had the ground to build it on.

While at the Rose Show in Buffalo, I visited a place where there were a number of what is known as pipe construction houses, that is to say, the posts, plates, purlins, rafters, columns, trusses and joints were all made of pipes and pipe fittings. I understand that this style of house can be built considerably cheaper than those that are known as the regular iron construction houses. This style, as I looked it over, appealed to me very much. I consider that it would pay anyone to look into the matter before building.

(To be continued)



Seed Trade

AMERICAN SEED TRADE ASSOCIATION.

President, J. C. Robinson, Waterloo, Neb.; First Vice-President, M. H. Duryea, New York; Second Vice-President, F. W. Hoigiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, Ohio; Assistant Secretary, Leonard H. Vaughan, Chicago.

WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggerhof, Pres.; Burnet Landreth, Sec'y.

The Other Side of the Free Seed Controversy.

Editor of HORTICULTURE:

Dear Sir:—In several of the recent numbers of the trade journals letters and items have appeared that reflect on the manner in which the free seed distribution is being conducted by the Department of Agriculture. The writer of this holds no brief for the officials of the Department and is convinced that they are well able to take care of themselves, but he does feel that some one ought to protest against these attacks on the men instead of on the measures. The writer has himself been engaged in this work and helped to establish some of the policies that have been followed ever since and he knows whereof he speaks when he says that there is not a responsible official in the Bureau of Plant Industry who would not be glad to have the seed distribution done away with. Much more effort has been made by these men than the seedsmen know of to bring about this result. That they have not succeeded is not their fault, and that the distribution has grown since the work was turned over to this Bureau is only the logical result of good administration.

The trade should remember that these men have a hard problem to handle. On the one hand they have to get out the seed, and on the other they have a definite amount of money to use and the seeds must be secured within that appropriation. Mr. Landreth recently objected to the fact that the Department had placed a growing contract and wanted to know why this seed could not have been bought out of surplus. The policy of buying surplus is well fixed in the Department, and is carried out whenever surplus can be gotten. The writer himself lost an order last fall because another grower offered seeds in surplus that the writer wished to grow for the Department. To wait till the next season, however, and take a chance on being able to get surplus would be the height of folly.

The writer dislikes to see these attacks made when he knows that no more honest and conscientious set of men ever handled this work and that if the seedsmen would inform themselves as to the facts they would not take the attitude they are taking. No good will come of this attitude. If the distribution is to be stopped it must come by a gradual changing into other channels and the writer feels sure that the Department would welcome the co-operation of the trade in doing this. The trade ought to work with the

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WHITE, CRYSTAL WAX: **EARLIEST OF ALL** White Bermuda: White and Red.

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TENERIFFE (CANARY ISLANDS)

EXPERT ONION SEED GROWER AND EXPORTER

GIANT PRIZE PANSY SEED

Our Giant Strain of Pansies should not be compared with the ordinary Giant Grimardeau, as the seed we offer will produce flowers of much heavier texture.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Azure Blue.....	.40	\$2.00	Peacock.....	.50	\$4.00
Black Blue.....	.40	2.00	Snow Queen.....	.40	2.00
Emperor William.....	.40	2.00	Striped and Mottled.....	.40	2.00
Hortensia Red.....	.40	2.00	White with Eye.....	.40	2.00
King of the Blacks.....	.40	2.00	Pure Yellow.....	.40	2.25
Lord Beaconsfield....	.40	2.00	Yellow with Eye.....	.40	2.00

Michell's Giant Exhibition cannot be excelled for large size, heavy texture and beautiful colors. Trade pkt. 50c; 75c per 1/2 oz.; per oz. \$5.00.

Write for our Midsummer Wholesale Catalogue.

Henry F. Michell Co., 1018 Market St., Philadelphia, Pa.

C. C. MORSE & CO. 48-56 JACKSON ST.,
San Francisco, Cal.
WHOLESALE SEED GROWERS
Onion, Lettuce, Sweet Peas and other California Specialties

officials, and not be pounding the men who really desire the best interests of the trade and are ready to help so far as they can under the circumstances.

A. J. Knuth

Notes.

The death of Edward M. Lyman, the veteran seedsmen of Springfield, Mass., is recorded in our obituary column.

Des Moines, Ia.—A. A. Geil has brought suit against the Iowa Seed Co. to recover price of seed which he claims was different from that he purchased.

Consul-General Paul Nash of Budapest, suggests that in view of the development in horticulture and agriculture in Hungary, seedsmen and nurserymen might find it to their advantage to exhibit at the international horticultural exposition in Budapest.

INCORPORATED.

Kansas City, Mo.—T. Lee Adams Seed Co.; T. L. Adams, H. C. Luck, S. Taylor; capital, \$10,000.

CABBAGE. Succession, Flat Dutch and Savoy, \$1.00 per 1000. \$2.50 per 10,000.
CELERY. White Plume and Golden Self Blanching. \$1.00 per 1000. \$8.50 per 10,000.
PARSLEY. 25 cts. per 100. \$1.25 per 1000.
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White Marsh, Md.

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New Hardy
Yellow Border Carnation
"Comtess Knuth"

Splendid cut flowers from July to November.

Strong layers, \$20 per 100. Vigorous cuttings, \$15 per 100.

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Price on Application.

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are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.
Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00.
For larger quantities, special quotation.
O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

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The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

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The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed; 1000, 25c; 2000, 40c; 6000, \$1; ¼ oz., \$1.40; ½ oz., \$2.50; oz., \$5.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

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GIGANTIC PANSIES

can only be produced from the Giant Strains. Our **CHALLENGE PANSY** seed contains only the giant self colors, the giant striped and variegated and the giant blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

Trade pkt.	¼ oz.	½ oz.	¾ oz.	1 oz.
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

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NEW YORK

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Representing seven of the best growers of Europe. Each color or strain packed separately. The proportion of light and dark is well blended.

Florist Collection—16 pkt. Hybrid Giants, 8 pkt. Giant Five Blotched, ½ oz. in each pkt.; in all, 24 pkts., weight 3 oz. \$7.50

Half Florist Collection—24 pkts., weight 1½ oz. \$3.93

Amateur Collection—24 pkt., 500 seeds in each pkt., 12,000 seeds, \$2.50

Cottage Collection—12 pkt., 500 seeds in each pkt., 6,000 seeds, \$1.25

Mixture—extra fine, 1000 seeds, 15c.

Exhibition Collection—4 pkt. 500 seeds in each pkt., 2000 seeds, \$1.00

Send for descriptive list of prize winners

JOHN GERARD, New Britain, Conn.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

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Not how cheap, but how good.

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Oz., 75c; 1-4 oz., 25c

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of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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Harrisii and Longiflorum, Selected.

Lilium Longiflorum Giganteum C. S. by the case of 300.

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Columbia Farm Harrisii
Fischers Purity Freesias

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WILLIAM L. ROCK
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and any town in Missouri or Kansas.

NEW YORK, BOSTON, PHILADELPHIA
TAKE CARE OF OCEAN STEAMERS



W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

Of Interest to Retail Florists

Cleveland, O.—E. A. Cliff & Son
have moved two stores west, where
better business facilities are gained.

Cleveland, O.—Westman & Getz,
5923 Euclid avenue, have made many
recent improvements in the interior of
their store.

NEW FLOWER STORES.

St. Louis, Mo.—The Bentzen Floral
Co.

Winchester, Va.—New Florists' Store,
Jack Muff, prop.

Baltimore, Md.—Frank Meyerdirck,
Fayette and Liberty streets.

STEAMER DEPARTURES

Numidian. Boston-Glasgow...Aug. 20
Allan.
American.

St. Paul. N. Y.-Shampton...Aug. 14
Atlantic Transport.

Minneapolis. N. Y.-London...Aug. 14
Minnetonka. N. Y.-London...Aug. 21
Cunard.

Saxonia. Boston-Liverpool...Aug. 10
Campania. N. Y.-Liverpool...Aug. 11
Carmania. N. Y.-Liverpool...Aug. 14
Lusitania. N. Y.-Liverpool...Aug. 18
French Line.

La Touraine. N. Y.-Havre...Aug. 12
La Bretagne. N. Y.-Havre...Aug. 19
Hamburg-American.

Pennsylvania. N. Y.-H'mb'g...Aug. 11
Hamburg. N. Y.-Med. Pts...Aug. 14
Deutschland. N. Y.-H'mb'g...Aug. 14
Pres. Lincoln. N. Y.-H'mb'g...Aug. 18
Holland-America.

Rotterdam. N. Y.-Rotterdam...Aug. 10
Ryndam. N. Y.-Rotterdam...Aug. 17
Leyland Line.

Cestrian. Boston-Liverpool...Aug. 14
North German Lloyd.

Kpr. Cecile. N. Y.-Bremen...Aug. 10
Bremen. N. Y.-Bremen...Aug. 12
Berlin. N. Y.-Med'n Pts...Aug. 14
White Star.

Teutonic. N. Y.-Shampton...Aug. 11
Baltic. N. Y.-Liverpool...Aug. 14
Ottawa. Montreal-Liverpool...Aug. 14
Adriatic. N. Y.-Shampton...Aug. 18

ALBANY NOTES.

Wm. C. Gloeckner is having his store
repainted and decorated.

Business is reported as very quiet
owing to the extreme heat.

F. A. Danker is summering at Nas-
sau, Rensselaer Co., N. Y.

H. G. Eyres is spending a week fish-
ing at Hague, Lake George.

Frank Williams, of Eyres', has re-
turned from his wedding trip spent at
New York City.

J. H. Moran, employed by H. G.
Eyres, has returned from a two weeks'
vacation at Niagara Falls.

The regular meeting of the Albany
Florists' Club was held Thursday even-
ing, Aug. 5th, at the greenhouses of
F. A. Danker.

Albany florists who will attend the
convention are, F. A. Danker, E.
Tracey, W. C. Gloeckner and Mrs. A.
DeG. Wemple.

A special meeting of the committee
of the coming flower show was held
July 29 and it was decided to hold the
exhibition Nov. 11, 12, 13.

Recent visitors: James Slattery,
representing Thos. F. Galvin, Boston;
J. F. Dayton, representing the Madison
Basketcraft Co., Madison, O.; James
J. Kairins, representing Henry A.
Dreer, Philadelphia.

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DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
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Theatres, Hotels, Steamers or Residences.

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Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from



Careful attention and prompt delivery.

**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

CHICAGO NOTES.

General News.

The special buyers' rates made by all railroad lines now, are bringing buyers into Chicago. Their tickets have to be signed by the Chicago Commercial Club.

Some of the finest Easter lilies seen on the market in a long time were shown by Bassett & Washburn, who have a large house of lilies just coming in bloom. They are all cold storage Giganteums and very fine for this time of year when good flowers are scarce.

The body of C. W. Smith, traveling salesman for the Leonard Seed Co., came ashore at Gary, Ind., and was identified by his brother. Mr. Smith lost his life July 18th while bathing at the Chicago Beach Hotel and his body was in the water ten days. The funeral services and interment were at Oakwoods Cemetery, Chicago, July 30. The casket was covered with a blanket of roses.

Personal.

F. Oechslin is on a business trip East.

W. W. Barnard has recovered and is on a trip to Wisconsin.

Martha Gunderberg of the Flower Growers' Market, is at Fairmont, Iowa.

Miss Hertha Tonner of the Flower Growers' Market, has gone to Michigan.

John Wilcox, of W. W. Barnard's, buried his mother last week at Lemington, Wis.

W. L. Palinsky is enlarging his store at 64 Palmer street, and making other improvements.

Miss Frances Brundage of E. H. Hunt's, will spend two weeks at Galesburg, Ill., and points in Missouri.

Miss Clara Burkart returned from two weeks in Indiana. Miss Burkart is in the supply department of E. H. Hunt Co.

T. E. Waters of Randall's, received a telegram Monday announcing the death of his brother, Robt. J. Waters, in Boston.

Mr. and Mrs. Robert Lange of the North Side, are enjoying a month's outing leaving their retail store in the capable hands of their son.

O. P. Bassett, C. L. Washburn and E. B. Washburn returned from their northern trip Sunday. They found the florists along their route hospitably inclined and enjoying a good business.

Augustus H. Goodwin, vice-president of the W. W. Barnard Co., Chicago, and Mrs. Goodwin, were presented with a gold medal by the Italian Government in recognition of their services in Palermo directly after the earthquake.

Visitors:—J. R. Falkenstein of Napersville; Mrs. S. B. Stewart of Stewart Seed Co., Omaha, Neb.; Mr. Pfitzer of Stuttgart, Germany; Gus Frederickson of St. Joseph, Mich.; Aug. Dressler, Crown Point, Ind.; Mr. Edlefsen of the Edlefsen-Leideger Co., Milwaukee, Wis.; Mrs. C. E. Schaefer of LaCrosse Floral Co.; John Stamm, Hutchinson, Kan.; J. E. Meinhart, Leavenworth, Kan.

PHILADELPHIA NOTES.

Thos. Roberts, of Colonel Morrell's, Torresdale, writes from London under date of July 23 announcing all well, glorious weather, fine trip, Kew gardens unrivalled in the world and everything in a concatenation accordingly.

A. E. Sterling, forester for the P. R. R., and Paul Huebner in a similar capacity for the Reading R. R., are the active spirits in the local arrangements for the entertainment of the R. R. Gardeners' Association, which meets in its third annual session at Horticultural Hall, August 24th. Geo. B. Moulder of the Illinois Central R. R., Chicago, is the secretary of the association and will appreciate any courtesies extended to the visitors by local horticulturists. A few automobiles for a trip around town, and an invitation to Fordhook, etc., would seem to be in order. Also the freedom of the Florists' Club, and a reception committee!

A party of gardeners from the Pennsylvania Horticultural Society visited Fordhook Farms, Doylestown, Pa., on the 5th inst. Among the delegates who took part in this enjoyable occasion were: Thomas Logan, William Kleinheinz, William Robertson, Francis Canning, Samuel Batchelor, Joseph Hurley, Thomas Long, John Hobson, J. McCleary, and Thomas Holland. After the hospitalities of the old homestead—presided over by Howard Earl, the Burpee manager and his wife,—the visitors inspected the elaborate trial grounds of this great seed firm and were enthusiastic in their praise as to what these experiments mean to the advancement of horticulture in America.

If two be good looking, suave and debonair, something is liable to happen. After gazing at each other with indescribable and ever-increasing delight for three long weeks two souls were at last riveted together, determined not to resist the honest impulses of the Creator any longer. Their destiny was plain as day before them. Why hesitate? And so it is our pleasant duty to chronicle the wedding of J. Max Nitschke of Habermehl's Bellevue-Stratford emporium, to Miss Chrystil Mueller on July 31st at high noon. After lunch at the French Club, attended by a merry party of friends who were profuse in wishing the young couple good luck, good fame, good fortune, a start was made for Wildwood, N. J., after which a tour of Canada was on the program. After August 20th the intrepid voyagers will be pleased to welcome their friends at 5130 Ludlow street, West Philadelphia. This is the kind of news I like to write. Hurry up you hesitating swains. Life is short.

Springfield, Mo.—The Pioneer Floral Co. at a recent annual meeting re-elected their officers for another year as follows: President, W. M. Murray; vice-president, L. H. Murray; secretary and treasurer, R. R. Ricketts; manager, W. J. Shaffitzel.

THE BEST LETTERS

FOR
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MADE
BY THE

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Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 233 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tallby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

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MEDIUM, 75c. per 100.

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BRONZE GALAX

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CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw It in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 1	TWIN CITIES Aug. 4	PHILA. Aug. 3	BOSTON Aug. 5
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	2.00 to 30.00	15.00 to 18.00	20.00 to 25.00
" Extra	15.00 to 20.00	15.00 to 20.00	..... to 15.00	12.00 to 15.00
" No. 1	12.00 to 15.00	12.00 to 15.00	8.00 to 10.00	4.00 to 8.00
" Lower grades	5.00 to 10.00	5.00 to 10.00	3.00 to 4.00	2.00 to 3.00
Bride, 'Maid, Chateaux, P. & S.	4.00 to 6.00	4.00 to 6.00	4.00 to 5.00	3.00 to 6.00
" Lower grades	2.00 to 4.00	2.00 to 4.00	1.50 to 3.00	.50 to 2.00
Killarney, Fan, & Sp.	4.00 to 6.00	4.00 to 7.00	4.00 to 5.00	6.00 to 8.00
" Lower grades	2.00 to 4.00	2.00 to 4.00	1.00 to 3.00	.50 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	5.00 to 8.00	3.00 to 5.00	6.00 to 10.00
" Lower grades	5.00 to 6.00	3.00 to 5.00	2.00 to 3.00	.50 to 4.00
My Maryland, Kaiserin	..... to	4.00 to 6.00	2.00 to 3.00	.50 to 8.00
CARNATIONS				
	1.00 to 2.00	1.00 to 2.50	1.50 to 2.00	.75 to 1.00
MISCELLANEOUS				
Gladioli	..... to	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Asters	.75 to 1.50	1.00 to 2.00	1.00 to 2.00	.15 to .75
Carteblanc	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00	30.00 to 40.00
Lilies	10.00 to 12.00	10.00 to 12.50	10.00 to 12.00	8.00 to 10.00
Lily of the Valley	2.00 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00
Mignonette	2.00 to 4.00	2.00 to 4.00	..... to 1.00	1.00 to 2.00
Sweet Peas	.40 to .75	.40 to .50	.25 to .50	.05 to .20
Gardenias	..... to .....	..... to	6.00 to 25.00	8.00 to 20.00
Adiantum	..... to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.25
Smilax	..... to 12.00	10.00 to 15.00	10.00 to 15.00	10.00 to 12.00
Asparagus Plumosus, string (100)	40.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Spreng. (100 bchs.)	15.00 to 20.00	35.00 to 50.00	25.00 to 50.00	15.00 to 25.00

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty.....

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 WHOLESALE COMMISSION DEALERS IN
 CUT FLOWERS—FLORISTS' SUPPLIES
 AND HARDY CUT EVERGREENS
 15 PROVINCE ST., 9 CHAPMAN PLACE
 Long Distance Telephone BOSTON, MASS.
 2617-2618 MAIN

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

 Prices Quoted in these Columns are for Dealers Only
 When Writing to Advertisers Please Mention
 HORTICULTURE.

Flower Market Reports.

BOSTON Conditions remain about the same as for the past few weeks, with the exception of asters and sweet peas, the market being simply flooded with them and in consequence prices have broken badly. Roses are also in abundance, but mostly from small plants; but prices are holding well. Gladioli are plentiful, but of a poor quality.

Trade has been much on the quiet side with sufficient stock of all kinds. Asters and gladioli are coming in more plentifully than the week previous. Lilies of all varieties are too plentiful. Roses and carnations are of poor quality and sweet peas are about as plentiful as ever. It is hoped that the market will improve as everything has been draggy.

The last week in July **CHICAGO** showed up well compared with the previous weeks in point of business. Not that there was any great rush of trade or anything like high prices, but the busy days made the florists think of the good times coming when business shall start up again. Each day makes the stock of Beauties better in quality and the demand is increasing accordingly. Asters are also gaining in length of stem and size of bloom. Sweet peas are on the retired list and in some wholesale houses carnations are practically occupying the same position. Roses are coming in as fast as the demand requires. Kaiserins are of very good quality and this flower is at its best now.

Last week proved **PHILADELPHIA** rather a disappointment, business being more sluggish than the week previous. There was a fair demand for high-grade stock, such as orchids, lily of the valley and roses; but on lower-priced items such as asters and gladioli, the market was very sleepy. Of course, where asters were very good they went well, but the vast majority of them could not be graded first-class. All kinds of flowers were more plentiful than at any time since summer business commenced, and the usual end of the week cleanup by the street men, did not materialize—the city being half empty on account of vacations. What few sweet peas were seen around were mostly from eastern points.

Nothing of importance has transpired to disturb the serenity and listlessness of these midsummer days in the flower market district. A little flurry in the morning hours when some out-of-town florist strikes luck in the shape of a little order for something that it is hard to get, is about the only sign of activity. Keeping store open is, in fact, a mere formality on the part of most of the city florists. Good material is not abundant, but there is enough for all demands. Asters are coming in heavily—some of them very handsome. Nymphaeas and other water flowers are coming in in beautiful variety.

GREEK-AMERICAN FLORISTS' ASSOCIATION.

This very much alive New York organization "improved the shining

hour" last Thursday by holding their annual picnic at Witzel's Point grounds. The gentlemen who are active in the affairs of the Association are thorough breeders, and when anything in the nature of an entertainment is on they go the whole length. Naturally this outing was a brilliant success like its predecessors, and a large number of florists of other races and nationalities were included among the attendants who numbered fully 450. The games were many, including bowling, discus throwing, Marathon and other races, etc., and a base ball game between Americans and Greeks, which was won by the former by a score of 7 to 6, the trophy being a handsome vase which has been displayed since in John I. Raynor's window. Miss Leavitt, bookkeeper at Guttman's wholesale flower store, won the prize, a beautiful bracelet, in the young ladies' race. All the games were well contested. That there was splendid music, a sumptuous dinner, and plenty of dancing goes without saying. George D. Nicholas delivered an eloquent address in Greek and English.

Knoxville, Tenn.—W. N. Simonton, of Albany, N. Y., will start in the nursery business here.

Philadelphia, Aug. 2, '09

All quotations on FIELD GROWN CARNATION PLANTS as advertised previous to this date are hereby withdrawn.

We now offer the following varieties at prices listed below. All the cleanest and largest plants of the season:

MRS. LAWSON
ENCHANTRESS
VARIEGATED LAWSON
WHITE LAWSON
LADY BOUNTIFUL
WINONA
WINSOR

PRESIDENT SEELYE
AFTERGLOW
BEACON
WHITE PERFECTION
SPLENDOR
CARNEGIE
LLOYD

\$8.00 per hundred, \$75.00 per thousand.

PROSPECTOR
QUEEN LOUISE
RED SPORT

GENEVIEVE LORD
JESSICA
MRS. PATTEN

\$6.00 per hundred, \$50.00 per thousand.

HARLOWARDEN ELSDORADO ROOSEVELT

\$4.00 per hundred.

SARAH HILL, \$12.00 per hundred.

SMILAX PLANTS; twenty thousand thrifty, well grown plants in 2 in. pots; \$2.00 per 100; \$15.00 per 1000.

S. S. PENNOCK - MEEHAN CO.
The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow Street

Store closes 6 p. m.

Washington Store, 1212 New York Ave.

Detroit reports the average business for July as better than it was July, 1908. Fields were flooded at from 2 in. to 6 in. with water from a heavy downpour of rain on July 29. No serious damage was done but the cut of outdoor flowers, such as sweet peas, etc., was temporarily ruined.

The Massachusetts Horticultural Society will have an exhibition of annuals and perennials on August 7 and 8 in Horticultural Hall, Boston.

WHOLESALE FLOWER MARKETS.—PER 100 TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Aug. 2		Aug. 2		Aug. 3		Aug. 2	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 35.00
" Extra.....	15.00	to 20.00	15.00	to 18.00	10.00	to 15.00	12.00	to 16.00
" No. 1.....	8.00	to 12.00	10.00	to 15.00	6.00	to 10.00	8.00	to 10.00
" Lower grades.....	4.00	to 6.00	4.00	to 8.00	2.00	to 6.00	4.00	to 8.00
Bride, "Maid, Chateaux, F. & S.....	.....	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Low, gr.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan, & Sp.....	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special.....	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades.....	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
My Maryland, Kaiserin.....	.....	to .....	.....	to .....	.....	to	2.00	to 8.00
CARNATIONS.....								
	.....	to 2.00	.75	to 1.50	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Gladioli.....	4.00	to 6.00	3.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Asters.....	.75	to 1.00	.50	to 1.50	.50	to 8.00	.50	to 2.00
Cattleyas.....	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
Lilies.....	10.00	to 15.00	12.50	to 15.00	8.00	to 12.00	.....	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Mignonette.....	2.00	to 3.00	.80	to 1.00	2.00	to 3.00	.50	to 1.00
Sweet Peas.....	.35	to .50	.80	to .50	.20	to .30	.10	to .50
Gardenias.....	.....	to	20.00	to 30.00	20.00	to 30.00	20.00	to 25.00
Adiantum.....	.....	to 1.00	.....	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	10.00	to 12.00	15.00	to 20.00	15.00	to 20.00	1.00	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	30.00	to 50.00	30.00	to 50.00	40.00	to 50.00
" " & Sprea. (100 bchs.)	30.00	to 25.00	30.00	to 50.00	30.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626-4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York
 Tel. 1463

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.
 Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**

Finest American Beauties and
 Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Wholesale Market Rates.

**Greater New York
Florists' Association,
Inc.**

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

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55 and 57 West 26th Street

Telephone No. 756 Madison Square New York

MILLANG BROS.

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3360 Madison NEW YORK
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JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 31 1909		First Half of Week beginning Aug. 2 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
Extra.....	6.00	to 10.00	6.00	to 10.00
No. 1.....	4.00	to 6.00	4.00	to 6.00
Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Auld, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
Ordinary and White.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman

THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET

PHONES. 1664-1665 MADISON SQUARE

ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
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CHARLES MILLANG

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of

EVERGREENS

Fancy and Dagger Ferns
 Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1208 Mad. Sq.

New York

GROWERS' CUT FLOWER CO.

CUT FLOWERS

AT WHOLESALE

**VIOLETS, CARNATIONS, ROSES
 ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited, Shipments to Order, any Distance

39 West 28th Street,

Telephone 837 Madison Square
 J. J. COAN, Manager

NEW YORK

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

NOTICE!

Manhattan Flower Market

Ship us some stock. We need a large supply of all kinds of flowers, **Roses, Carnations, Sweet Peas, Narcissus, Summer Stock, etc.**, for our new store. Reliability and responsibility first-class. Good prices and prompt returns, Good opportunity.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
46 W. 28th St., NEW YORK
Telephone: 1016 Madison Sq.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

REED & KELLER
122 West 28th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

FOR FLORISTS' USE
There's **NOTHING** as good as
MEYER'S SILKALINE
Don't let them sell you anything else
JOHN C. MEYER & CO., Boston, Mass.



**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

CATALOGUES RECEIVED.

E. Y. Teas Co., Centreville, Ind.—
Wholesale Price List of Shrubs, Bulbs,
etc.

Hitchings & Co., New York—Illus-
trated folder describing Curved Eave
Construction of Greenhouses.

A. Dessert, Chenonceaux, France—
Supplement to General Peony Cata-
logue, No. 15; contains a descriptive
list of new varieties of peonies for
1909, including several from Japan.

Rickards Bros., New York—1909 Il-
lustrated Catalogue of "Bridgeman's
High Grade Bulbs." Attractive cover
showing cluster of daffodils on front
and rich bed of hyacinths on back.

Mohican Peony Gardens, Sinking
Spring, Pa.—Illustrated Catalogue and
Price List for 1909. The shipping sea-
son for peonies is now at hand and
this well-prepared publication comes
just at the right time.

W. Atlee Burpee & Co., Philadelphia,

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

ROBERT J. DYSART

Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.



1887 ESTABLISHED 1909

KEEPING OPEN HOUSE THIS SUMMER

TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON

TOP PRICE AND PROMPT RETURNS

J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 187 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 31 1909	First Half of Week beginning Aug. 2 1909
Cattleyas.....	20.00 to 25.00	20.00 to 25.00
Lilies.....	4.00 to 6.00	4.00 to 6.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Asters.....	1.00 to 3.00	1.00 to 3.00
Gladioli.....	1.00 to 3.00	1.00 to 3.00
Sweet Peas (per 100 bunches).....	1.00 to 4.00	1.00 to 4.00
Gardenias.....	5.00 to 25.00	5.00 to 25.00
Adiantum.....	50 to .75	.50 to .75
SamMax.....	6.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Sprea. (100 bcs).....	10.00 to 25.00	10.00 to 25.00

Pa.—Advance Announcement of Sweet
Peas for 1910. Gives full descriptions
of the four "New Spencers" for 1910,
viz.: Miriam Beaver, Senator Spencer,
W. T. Hutchins and Prince of Wales
Spencer.

J. M. Thorburn & Co., New York.—
Wholesale Trade Price List of High-
Class Bulbs. This is a comprehensive
and carefully selected list of the choic-
est varieties of bulbs for fall planting
and winter forcing. Every bulb-flower
grower should have a copy.

The Detroit Florists' Club will hold
its annual picnic at Bois Blanc Park
on August 9th. Prizes are offered for
the winners in: Base ball game, prize
\$5.00, captains, L. Charvat and M. Bloy;
boys' race (under 10 years), 50 yards;
boys' race (under 16 years), 100
yards; girls' race (under 10 years),
50 yards; girls' race (under 16 years),
100 yards; men's race, 100 yards; fat
men's race (200 pounds or over), 75
yards; ladies' race, 50 yards; three-
legged race; running broad jump; hop,
skip and jump; shoe string race; tug
of war; game of quoits.

ST. LOUIS NOTES.

Arthur Y. Ellison is no longer con-
nected with the Ellison Floral Co., but
is in the employ of the City Park De-
partment.

The St. Louis Florists' Club will
hold its regular meeting on Thursday,
August 12, at 2 o'clock, at greenhouses
of the Bentzen Floral Co. Officers will
be elected for the year.

W. C. Smith, who has charge of the
Florists' Special to Cincinnati over the
Big Four R. R., says he will have a
big delegation out of here for the Con-
vention City, August 16th, at 9 p. m.

The autumn exhibition of the New-
port Horticultural Society will be held
at Masonic Hall, Newport, R. I., on
September 18, 19 and 20, 1909. The
schedule of prizes is very extensive,
comprising 75 classes for flowers,
plants, fruits, vegetables and decora-
tive floral work. There are in addi-
tion eight special premiums for table
decorations, etc. Copies of the sched-
ule may be procured from the secre-
tary, D. J. Coughlin, Bellevue avenue.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

J. H. Dann & Son, Westfield, N. Y.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Asparagus Plumosus Nannus.

ASTERS.

J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes,
Pyramid and Standards. Write for list.
Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

G. Aschmann, 1012 W. Ontario St., Phila-
delphia, Pa.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.

Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.

J. H. Dann & Son, Westfield, N. Y.
Begonia Rex.

"Begonia Gloire de Lorraine," strong
stuff ready for 4 inch pots, \$15.00 per 100,
\$140.00 per 1000; extra large plants from
4 inch pots, \$35.00 per 100.

New Begonia "Pres. Taft," strong plants,
\$25.00 per 100; extra large plants from 4
inch pots, \$50.00 per 100. All propagated
from leaf cuttings.

Cash with order from unknown corre-
spondents. J. A. Peterson, McHenry Ave.,
Westwood, Cincinnati, O.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.

Kroeschel Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for
50 cents, postpaid, by HORTICULTURE
PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
Dutch and French Bulbs.
For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,
New York.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

J. H. Dann & Son, Westfield, N. Y.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.
Carnation Cuttings.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.

S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
For page see List of Advertisers.

I. M. Raynor, Greenport, L. I., N. Y.
Field Grown Carnations.
For page see List of Advertisers.

CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

CHRYSANTHEMUMS—Continued

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CONIFERS

John Waterer & Sons, Ltd., American
Nursery, Bagshot, Eng.
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

Willmore's Dahlia Manual will be mailed
for twenty-five cents by HORTICULTURE
PUBLISHING COMPANY, 11 Hamilton
Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
For page see List of Advertisers.

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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Ferns for Dishes.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Jardiniers Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000. Rose Hill Nurseries, New Rochelle, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle Manure.

Bowker Fertilizer Co., Boston, Mass. All Forms of Plant Food at First Hands. For page see List of Advertisers.

FIG ORCHARDS

E. C. Robertson, 501 Klam Bldg., Houston, Tex.

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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 228-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Immortelle Letters.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

We make Standard Flower Pots, etc. Write us when in need.

Wilmer Cope & Bro.

Lincoln University, Chester Co., Pa.

Syracuse Pottery Co., Syracuse, N. Y.

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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Standard Plate Glass Co., 28-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa. Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE HOSE

Revere Rubber Co., Boston, Mass. Revere Hose.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America. J. G. Esler, Saddle River, N. J. For page see List of Advertisers.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

The F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

American Everblooming Hydrangea (H. Arboreascens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.

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Kentucky Tobacco Product Co., Louisville, Ky.

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New England Nurseries, Inc., Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordenez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

Native Orchids. Hugo Kind, Hammon-ton, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Home-Grown Palms.
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Giant Pansy Seed.
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Giant Pansies.
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H. F. Michell Co., Philadelphia.
Giant Prize Pansy Seed.
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The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.
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Peonies—The best French collections. List of new varieties now ready. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebr.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

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Albert & Davidson, 68-70 Troutman St., Brooklyn, N. Y.
Pipes and Boiler Tubes.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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PLANT STAKES

Seele's Timeless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chionensis.
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Primula chinensis, 9 colors mixed, 2 inch. 2c.; Obconica Rousderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

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P. Ouwerkerk, Hoboken, N. J.
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White Killarney, My Maryland, Rambler.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

F. L. Pierson Co., Tarrytown-on-Hudson, N. Y.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Federico C. Varela, Tenerife, Canary Is.
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Francis Brill, Hempstead, L. I., N. Y.
Choice Vegetable Seeds.

SEEDS

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Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

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Francis Brill, Hempstead, L. I., N. Y.
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S. A. F. CONVENTION ACCOMMODATIONS.

Burnet House, Cincinnati, O.

S. A. F. TRADE EXHIBIT

Wm. Murphy, Supt., 311 Main St., Cincinnati, O.

SMILAX

Smilax, strong, 2 1/2-in., \$1.50 per 100; \$10.00 per 1000. Cash, please. Ready after July 24. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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R. Vincent, Jr., & Sons Co.,
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J. C. Schmidt, Bristol, Pa.
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Celery Plants—White Plume, Golden Self Blanching, Giant Pascal, Giant Golden Heart, Evan's Triumph, \$1.00 per thousand. Jacob De Witte, Box 717, Kalamazoo, Mich.

VENTILATING APPARATUS

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The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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NEPHROLEPIS SUPERBISSIMA.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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PANDANUS UTILIS: AMPELOPSIS VEITCHII: CLEMATIS PANICULATA.

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WHOLESALE SEED GROWERS.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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In writing to Advertisers kindly mention Horticulture

NURSEYMEN PULLING TOGETHER.

A paper read before the National Association of Nurserymen by J. H. Dayton, of Palmesville, O.

(Continued from page 171)

Why, if a tree is worth \$1.00 of any planter's money the first of April, is it worth only 20 per cent. the first day of May? Have we not deliberately educated buyers to the fact that our products have no fixed value and that our estimated value fluctuates from day to day during the season, according to the way our mail opens up, or our food agrees or disagrees with us? Why are we so anxious to dispose of a little surplus at prices far below cost and make every effort as the season advances to demoralize prices and trade, demoralize our standing in the eyes of business men and demoralize our chances of selling our next year's products on a reasonable basis? Figure it out, and you will find the ash heap one of the most profitable articles on the nursery grounds. About 99 times out of 100, it is cash in our pockets to sell what we can at a fixed profitable rate and burn the surplus, to say nothing of the better condition we are in for future trade.

As long as our price basis is that we can grow and sell as cheap as the other fellow or, indeed, go him one better, can we expect anything but meagre returns, or none? Are not the cut rates, reduced lists and cheap offers that flood our mails late every season simply an admission of our incapacity to dispose of our stock at fair and reasonable profits?

What about grades? Perhaps no one standard will be adapted to every section, but is it beyond the capacity of this body of men to fix and put in operation a system of grading that any man can learn and apply and that will make us reasonably sure of what we shall find in our cars and boxes when delivered?

What about buyers at wholesale? Who are entitled to trade prices? Would it not be possible to have a list of actual wholesale traders, revised from year to year? Is the man who occasionally buys a few trees from his neighbor, or who every year disposes of the products of a few acres of small fruits entitled to trade rates and surplus lists?

Take our own state (Ohio), last year 567 applications were made for certificates, 509 issued. Of these 87 cultivated ten or more acres; one-1.8 of an acre; 82-one acre or less; the large majority of small fruit growers who sell nothing but their surplus plants, yet their names find their way into our mailing lists as nurserymen.

Are the public institutions, parks,

etc., who buy one to three large bills for the planting of their grounds entitled to same rates as fellow nurserymen? Why not decide and have some ruling that we could all know and understand, instead of as at present, being everyone a law unto himself?

What about the man who buys an estate and pays the landscape architect a large price for planting plans and supervision? Should we supply the stock at lowest trade rates, assuming as we have to, all the risk and rebates expected by the retail purchaser? Ought we not to fix our own terms and methods of handling this business instead of allowing another organization to dictate them to us?

Perhaps none of these things and none that might be mentioned could be changed to suit us in one or two years, but taken up in a spirit of fairness and co-operation by the majority of the nurserymen at this Convention, any or all of them could be made practically obligatory for the entire trade in a few seasons.

We trust each other in every way, until we come to the marketing of our products, when we usually act as though we thought every competitor had the principles of a Sioux Indian, and was out with his little tomahawk to do us up and hang our bleeding scalp in the sacred precincts of the Bankruptcy Court.

No nurseryman can live to himself alone; anything that hurts one firm hurts all, any method adopted by one or more that elevates the business and standing of one firm elevates all. Should we not stand together, or rather move forward together, co-operating not only with one another, but with all kindred organizations, not only to receive some of the results hinted at here, but in connection with the Civic Improvement bodies, Council of Horticulture, or any or all agencies where the object is to make a cleaner, brighter and better planted America. Every back yard cleaned and planted, every scholar interested in a school garden, every farmer shown the possibilities of fruit culture, are bound to extend our business and make a better outlet for our stock.

Do not think I have no faith in our business or in my fellow tree man. Everyone on the program has a dispensation to knock a little. All of us, who have for years been trying to reach an automobile income, and have been sweetened by adversity until we now have all faith in walking as an exercise and a sure way to get there, all know that through our organization much has been accomplished; that there is a better understanding, more of a disposition to look at things with the other fellow's eye, a strong

desire here and there to get together to put the nursery interest on its proper plane. We have done many things, we can do many more.

Stay over a few days, you fruit tree men, and visit the orchards of western New York. Note the evidences of prosperity, the methods of care, the security evidently felt by these men, that in planting new orchards they will receive trees of the grades and varieties they buy. Who furnishes the trees? The nurserymen.

Go to the large peach tree belts of Delaware, Georgia, Texas, Ohio, Michigan or other states, and note the thousands of cars shipped of the varieties best adapted to their locality and market, and again, the trees come from the nurserymen. Drop into the best fruit stores and feast your eyes on the Jonathan, Spitzenburg, McIntosh, Belleflower, etc., from the orchards of Colorado, Montana, Oregon and Washington. Read of the wonderful development of these sections and the fortunes made, and the nurserymen grew the trees.

Visit the estates about Boston, Newport, Philadelphia and other cities, the parks and grounds of public and private institutions, all over our country; their landscape architects have called on the nurserymen for the great variety of trees, shrubs and plants, to develop the wonderful effects and magnificent open air paintings and have not been disappointed.

Figure up what the nurserymen have received for it all, and tell me, is it not time we dropped out of mind and heart our mutual suspicions and distrusts and filled the space with good will and faith in our fellow nurserymen, and pulling together put our business and organization not only on a plane with others, but as much higher as the privilege of dealing in God's best gifts to man entitles us to go.

NATIONAL APPLE SHOW.

One thousand dollars and a gold medal banner, with \$500 in gold and a silver medal banner to the second and a massive silver loving cup and a diploma to the third, are offered as the capital prize for a car of 210 barrels or 630 boxes of the best commercial winter apples, one or more standard varieties, exhibited by any owner, lessee or agent of the land where the fruit was grown, at the second National Apple Show in Spokane, November 15 to 20. Competition is open to the world. Four points will be considered by the judges in making the awards, as follows: First, value of the varieties for the purpose to which they may be adapted; second, color, size and uniformity of fruit; third, freedom from insect marks and other blemishes; fourth, excellence in pack. The rules of the American Pomological Society will govern all commercial contests.

Prof. W. J. V. Osterhout, who has been connected with the botanical department of the University of California for 15 years, has accepted a similar post with the department of botany of Harvard University.

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IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

PARK IMPROVEMENT FOR WASHINGTON.

Plans are being matured for a thorough improvement of the river front of Washington. These provide for a park system along the picturesque Potomac and the beautification of both sides that will be a credit not only to Washington, but to the nation.

By the terms of a recent decision of the supreme court, the national government has entire control of the city's lands bordering upon the river. Establishment of Potomac Park was the beginning of improvement, and if Congress shall approve of the latest plans, it will not be long before the river front of Washington will be a source of pride.

It is proposed in time to have a splendid driveway and promenade, a scheme which, it is believed, will lead to the extension of the city to the other side of the Potomac.

Potomac Park is only the beginning, and similar recreation places will be established along the river front not available for commercial purposes. Along the upper Potomac, too, it is proposed to make parks.

IRONDEQUOIT PEACH PROSPECTS.

Irondequoit (N. Y.) peach growers are optimistic. Their orchards are loaded with fruit, promising a larger yield than last year, and may be as heavy if not heavier than two years ago, when there was an unusually big crop.

W. T. Rudman in an interview, estimated this season's crop at 15,000 baskets, as compared with 12,000 baskets last season, notwithstanding that a good many peaches dropped early in the season.

"The principal varieties are Crawford and Elbertas, which are supplemented by earlier varieties such as Early Rivers.

"Stimulated by the good rains recently, the crop is making favorable progress. The early varieties are nearly ripe. But the two chief varieties—Crawfords and Elbertas—will not be ripe before the last week in August. September is the big peach month here."

Other large growers who have good peach crops here are George H. Rudman and Charles H. Coy. Mr. Rudman has almost as many bearing trees as W. T. Rudman (30 to 35 acres), while the Coys have probably 15 acres of bearing trees.

The Pacific Coast Association of Nurserymen at its annual meeting July 15 at Seattle, elected officers as follows: President, S. A. Miller, Milton, Ore.; secretary and treasurer, C. A. Tonneson, Tacoma.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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GOOD MEN

When you need good men, skilled or unskilled, Write:

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34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED—I have 16 years of horticultural experience in care of private estate and as grower of orchids and all kinds of in and outdoor growing and in florist's and landscape work. I am thirty-two years of age; married; no children; Swedish (American citizen). References. Particulars in first letter, please. L. M. G., 36 Rockdale Ave., New Rochelle, N. Y.

FOR SALE

For Sale Greenhouse Property

Located at Somerset and Howard streets, North Plainfield, Somerset County, New Jersey. Dimensions 248 x 106 ft. Contains three greenhouses 20 x 175 ft., steel frames. Trolley lines pass property. Will sell cheap and on easy terms. For particulars apply to F. B. DAILEY, care F. BERG & CO., - - Orange, N. J.

FOR SALE—Very valuable greenhouse property at a bargain. Easy terms. 20 acres, 19,000 feet of glass, 9 greenhouses, steam heat; located near Chicago. Wholesale trade. Shows handsome profits. Closest investigation invited. Owner engaged in other business. A snap for a practical greenhouse man with a little ready money. Address Frank P. Graves, 1587 First National Bank Building, Chicago.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

MISCELLANEOUS

I WANT to lease at once, greenhouse establishment in good repair, in retail district. Would buy later. No fancy price nor tumbled down shacks, as I am a practical man. State full particulars in first letter—size of houses, glass, land, rent, etc. L. H. Wise, 1 Montgomery St., Jersey City, N. J.

BORERS IN MAPLE TREES.

Former State Senator Henry D. Saylor, of Montgomery County, wrote from his home in Pottstown to State Zoologist Surface, of the Department of Agriculture, Harrisburg, as follows:

"I write for information about an insect that has just attacked some Norway maples belonging to me by boring holes in the trunks and large limbs, the holes being clean cut about the size, in circumference, of a darning or steel crochet needle. I have been unable to see the insect that is causing the mischief. My attention was first called to the matter by the drooping appearance of the trees, and the presence of white spots on the trunks and limbs where the boring occurred."

This letter was answered by the State Zoologist as follows:

"Replying to your letter, I can not say with certainty what the pest is that is infesting your Norway maple tree without seeing it. However, it is evidently a borer, and perhaps a bark borer or engraver beetle. If it be this, it shows that the tree is declining, and this borer practically attacks only declining or injured trees. I would advise digging about the trees, mulching them, pruning off dead and dying branches, and watering well with water containing a teaspoonful of nitrate of soda to each gallon of water. If the borers be large enough that you can find their holes and insert the tip of a small machine oil can into them, you can easily kill the pests by injecting a little carbon bisulfide into each hole, and then stopping this with clay or mud. For this particular tree, I would recommend pruning, watering, cultivating and trying every means possible to stimulate it to vigorous growth, in order that you can make it outgrow the effects of the pests you mention. If you will send me some for examination, I shall be glad to reply promptly concerning the same."—Zoological Press Bulletin.

NATIONAL INSPECTION LAW NEEDED.

The necessity for a national inspection law which would prevent the ravages of woodlands by such destroyers as gypsy and brown-tail moths is pointed out by Dr. L. O. Howard, chief of the bureau of entomology, who has just returned from an extensive trip abroad, where he inspected a number of exporting nurseries. Dr. Howard has imported and sent to the parasite laboratory at Melrose Highlands, Mass., many of the parasites and other natural enemies of the gypsy and brown-tail moths, and these will be scattered throughout the New England forests, where the pest is most prevalent.

It is declared at the bureau of en-

tomology that the United States is almost unique in its indifference to the great danger of importing injurious insects, as quarantine and inspection laws are in force in nearly all the civilized countries of the world.

CONCERNING STRAWBERRY PESTS.

State Zoologist Surface of Penna., has received many inquiries concerning strawberry pests, and to these has replied that the best general means of suppressing them lies in a novel method of summer treatment of the strawberry plant, which many persons would hesitate to apply, but which they will find so effective that it will become a regular feature of their mode of culture after its benefits have been observed. This consists of nothing more nor less than mowing the strawberry leaves as low as possible shortly after the berries are picked, throwing these together with a little straw between the rows, drying them quickly on a hot, sunshiny day, and then burning them at once.

The strawberry leaf rust and leaf spot are among the diseases that are very destructive and contagious. They can be partially prevented by the use of the Bordeaux mixture, but the germs causing the leaf destruction remain in the old patch from one year to another. Also, the aphids and several other insect pests attack the leaves during the summer. It has been found that if the leaves are mowed closely on a warm, dry day, and slightly dried and mixed with just a little straw and then burned, the pests are practically all destroyed, and the plants themselves escape uninjured. Consequently, this is the time of year to give such treatment.

Good new runners will be formed at once; especially, if a little commercial fertilizer or finely-divided manure from the stable or poultry house be scattered over the roots of the old plants and these be cultivated in the regular manner. New leaves will yet be formed this season, and the plants will be put in good condition for bearing a much more abundant and a healthier crop next year than if the leaves had not been burned. Persons who doubt the efficiency of this treatment should mow the leaves of some of the plants, and see the results for themselves.—Zoological Press Bulletin.

Addison County, Vermont, is suffering a scourge of grasshoppers such as this state has never known. There are millions of the insects and the farmers have no way of combating them. The insects are eating the short hay crop faster than farmers can harvest it. Grain fields are also being attacked. The loss will reach thousands of dollars.

GREEN-STRIPED MAPLE WORM.

Maple trees are attacked by a number of insects, the worst of which are the fall webworm and the caterpillar of the tussock moth. Another troublesome pest of all kinds of maple is the green-striped maple worm, which eats the leaves, often defoliating the tree entirely. This is a naked caterpillar, yellowish green, nearly two inches long. The moth of this caterpillar is of a beautiful pale yellow shaded with delicate pink. The spread of wing is about two inches.

The insect abounds especially in Kansas, Nebraska, Missouri, Illinois, and Iowa, but is found also in the Gulf States and in the North and East. In Missouri there are two broods in a year and each female moth lays at least 150 eggs.

Some birds eat the green-striped maple worm, such as the robin, bluebird, tufted titmouse, red-headed woodpecker, and others. These should be protected.

Paris green sprayed on the trees will kill the young caterpillars; one pound to 50 gallons of water may be used, but one-half pound will probably be sufficient. Arsenate of lead may be used as strong as 2 to 4 pounds for 50 gallons of water.

A trench dug about the tree a foot deep, with sides sloping under will trap large numbers of caterpillars as they leave the tree in search of a place to bore into the ground and enter the pupa stage of their life. In the trench they can be easily killed.

This insect is more fully described in Circular 110 of the Bureau of Entomology, U. S. Department of Agriculture.

ANT HILLS IN GRASS PLOTS.

The superintendent of a cemetery in Pottsville wrote to the Pennsylvania State College in regard to the trouble that was being experienced by some of the lot holders in that cemetery through ants building hills on the lots and destroying the grass.

The letter was referred to Prof. Surface, State Zoologist, Harrisburg, who gave the following information:

"You can get rid of these pests with certainty, and very easily, by making holes in the ant hills to a depth of a foot or a foot and one-half, and pouring in a liquid known as carbon bisulfide or bisulfide of carbon. Use about one-half teacupful of this to each hill, making the holes two or three feet apart, in accordance with the size of the ant hill and the porosity of the ground. For a heavy clay soil, they must be nearer, but for a light, sandy soil, they can be nearly three feet apart. These holes can be made with a sharpened stick. A broom handle, pointed at the end, will answer the purpose. After the liquid has been poured in, close the holes with earth, and also keep the mound covered with a wet blanket for an hour or two. The carbon bisulfide will not injure vegetation, but it will kill the ants."—Zoological Press Bulletin.

"Every Bug Has His Dose."

Insect-destroying preparations that do their work well and effectively are the cheapest. Bowker's Arsenate of Lead and Bowker's Pyrox are recognized standard insecticides and fungicides for both indoor and outdoor use. Bowker's Insect Emulsion destroys many kind of plant lice, black and green flies, etc. Call or send for catalogue.

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PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

PRICE		
1 lb.....	20c	25 lbs.....\$1.50
5 lbs.....	35c	50 lbs..... 2.75
10 lbs.....	65c	100 lbs..... 5.00

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Kills Thrips, Red Spider, Black Fly, Aphids, Green Fly and other greenhouse pests.

This solution is put up in

1/4 pt. cans ...at 25c	1 pt. cans...at \$ 1.40
1/2 pt. cans ...at 50c	1 qt. cans...at 2.75
1 pt. cans ...at 90c	1/2 gal. cans at 5.00
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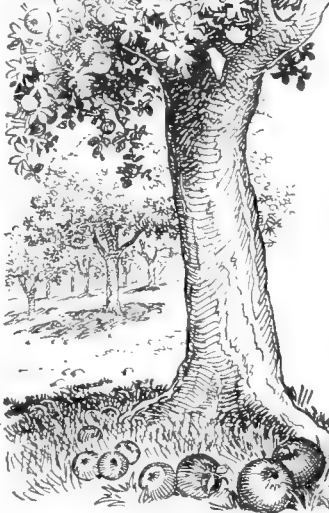
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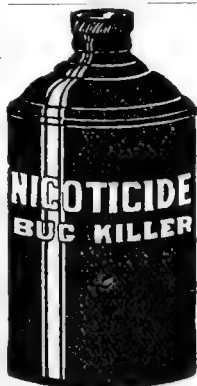
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Send to us for testimonials from growers using them.

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The best of all
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dusts for

Dusting or
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25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

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THREE SUCCESSFUL YEARS

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CHICAGO, ILL.

PRACTICAL CEMENT BENCHES.

The greenhouses and nurseries of the Geo. Wittbold Co., at Edgebrook, occupy a place of 32 acres, 12 miles from the heart of Chicago, which eight years ago was a virgin forest. The grounds are planted with shrubs and trees. The greenhouses comprise about 70,000 square feet of glass.

The wooden benches are now being replaced by those of cement construction of the sectional type, after a design perfected by Otto Wittbold, who is in charge of the place. The posts are 4 inches square at the top and 8 inches square at the bottom and 2 feet high, set 5 feet apart from center to center. The side pieces are "L" shaped, 4 inches at bottom, 8 inches high and 1½ inches thick, reinforced by chicken wire and three rods of telephone wire, and are in sections 5 feet long. The bottom pieces are 1 inch thick, 8 inches wide, 58 inches long, reinforced with two rods of telephone wire and placed crosswise of the bed the ends resting on the side pieces. The centers are supported by a piece of 2x4 cement made in any length desired, running lengthwise under the bench and resting on posts of cement. These are also reinforced by two heavy twisted strands of telephone wire.

In reply to a question Mr. Wittbold stated that he mixed the cement in the proportion of one part cement to three parts coarse sand or gravel used quite wet. At the present price of material the cost is \$60 for bench 5 feet wide, 150 feet long, including all labor for making and erecting.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 2 1/2 " " "	6.00	60 8 " " "	3.00
HAND MADE			
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
456 4 1/2 " " "	5.24	24 12 " " "	4.80
320 5 " " "	4.51	12 14 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

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Erie, Pa.—Eric Thompson, one house.
Detroit, Mich.—C. L. Walker, one house.

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Morristown, N. J.—R. A. Elliott, one house.

Springfield, Ill.—Carl Rauth, house, 36x159.

Austin, Tex.—Austin Floral Co., house, 24x75.

Paola, Kan.—Mrs. W. Z. Garman, 40-ft. addition.

Decatur, Ind.—Ernsburger & Moses, range of houses.

So. Royalston, Mass.—E. B. Hanson, range of houses.

Nashville, Tenn.—McIntyre Bros., range of houses.

Paterson, N. J.—M. Werne, two houses, each 16x75.

Hamburg, N. Y.—Wm. Minnigheim, four houses, each 40x204.

Geneva, N. Y.—J. P. Welch, two houses, each 25x125; Smith & Cannett, house, 25x200.

Lexington, Ky.—J. A. Kellar, carnation house, 28x200; Michler Bros. Co., carnation house, 20x100.

Austin, Tex.—Selders & Walker, two houses, each 22x100; lean-to, 14x12 and propagating shed, 6x50.

Randolph, Mass.—Wm. Bellingham, violet house, 18x100; Henry E. Belcher, remodeling and additions; Paine Bros., house, 40x150.

NEWS NOTES.

Evansville, Ind.—Julius Niednagel & Sons are putting in a 150 h.p. boiler for heating their increased space.

Athol, Mass.—G. W. Sutherland has nearly completed a 60-foot chimney in connection with a new steam plant for heating his houses.

Clifton, N. J.—Robert Simpson has replaced the wood benches in his rose houses with Wilson & Hoyt patent concrete benches and is highly pleased with the change.

PATENTS GRANTED.

928,323. Apparatus for Automatically Regulating Heaters. James Naughton, BeHeville, N. J.

928,361. Boiler Tube Cleaner. Sidney M. Cockburn, London, England.

928,372. Lawn Sprinkler. Albert Fisher, Chicago, Ill.

928,711. Pipe Hanger. Edward E. Taft, Mount Pleasant, Iowa, assignor to The Taft Manufacturing Company, Mount Pleasant, Iowa.

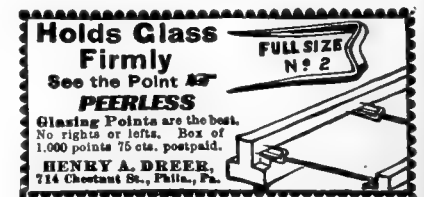


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PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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714 Chestnut St., Phila., Pa.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

NOTICE

The Annual Meeting of the Florists' Hall Association of America will be held at "Music Hall," Cincinnati, Ohio, at 4.30 P. M. on Thursday, August 19th, 1909.

JOHN G. ESLER, Sec'y.

ADVERTISERS' IDEAL

S. A. F. Convention Number to be Issued August 14.

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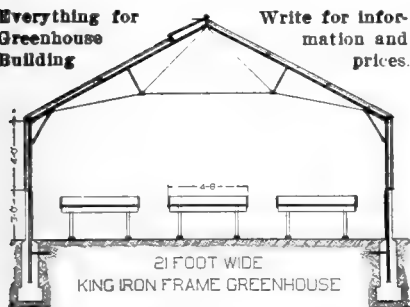
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Without posts.

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VENTILATING MACHINERY.

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PECKY CYPRESS BENCH LUMBER

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PIPE Good serviceable second-hand with each length, no junk—1 in., 3c.; 1½ in., 4½c.; 1½ in., 5c.; 2 in., 6¾c.; 2½ in., 10¾c.; 3 in., at 14c. and 4 in. at 19c. New 2 in. standard black, 3¾c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 7c. per foot.

We quote you above only a few of our prices. We manufacture and job in everything pertaining to greenhouses, both new and second-hand. Get our prices before placing your orders.

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No Heavy Roof Supports. The U-Bar is the Rafter and Roof Bar in one. No House like it. The lightest and best. Patented.

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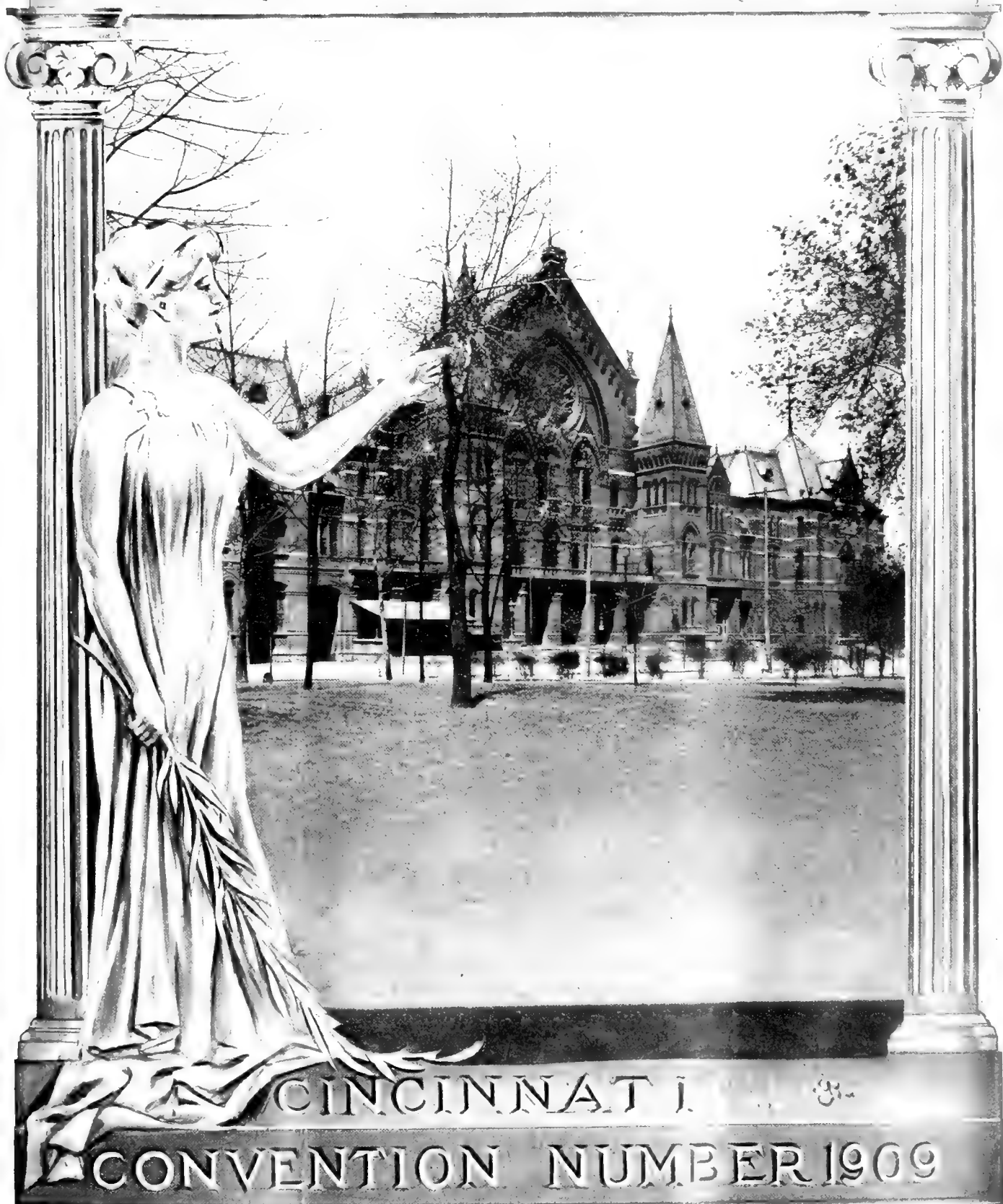
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HORTICULTURE

VOL. X

AUGUST 14, 1909

NO. 7



CINCINNATI

CONVENTION NUMBER 1909

The Florists' Supply House Of America

**1885
FIRST THEN**

**1909
FIRST NOW**

The only house now engaged
in the

**General Florists'
Supply Business**

that had an exhibition at the

**First Cincinnati
Convention**

Extract from Report of Committee
on Florists' Supplies, Cincinnati,
Ohio, 1885

Report on Florists' Supplies

"The Committee desire to call the attention of the Society to the great strides that have been made in the past ten years in the way of artistic designs and true elegance in form of baskets and other receptacles for cut flowers. We would strongly recommend a careful examination of the exhibits of these goods, and are sure that the time thus spent will not be wasted. There is no pursuit followed by mankind, not even music, painting, or sculpture, which can claim a position in high art above our own business here represented, and the firms which have favored us with these exhibits which in many cases are the result of their own untiring thoughts and ingenuity, show to the world convincing proof that among our number are to be found many true artists."

The Exhibit of
M. Bayersdorfer & Co.
in this department was
awarded a Certificate of Merit

IT is a quarter of a century since the Society of American Florists was organized. During the whole of its existence we have maintained our position with the florists' trade of America as the foremost house engaged in the florist supply business.

Each Year wherever the Convention has been held

Bayersdorfer & Co.
HAVE BEEN THERE

with a suitable display of all that was new, novel, meritorious and indispensable to the florist.

Many certificates and diplomas have been awarded to our exhibits of baskets, sheaves, vases, jardinières, immortelles, prepared flowers, etc.

On this anniversary occasion we shall outdo ourselves with a rich and comprehensive display, including importations which are now arriving, of the best European novelties in every line of florists' goods. This exhibit alone will be worth going to Cincinnati to inspect and select from.

Have you received a copy of our catalogue?

H. Bayersdorfer & Co.
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NEW CROP

FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom.

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson **Giant Blood Red**

Giant Salmon **Giant Pink**

Giant Excelsior, White with claret base

Giant White **Picturatum**, Pink with claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.

6 & 7 So. Market St., BOSTON, MASS.

We extend a cordial invitation to the
Society of American Florists
to meet in Rochester in 1910

In the meantime we would like to
have every reader of this estimable paper
get acquainted with

Vick Quality Seeds, Plants and Bulbs

Fall Catalogues are Ready

JAMES VICK'S SONS - - Rochester, N. Y.

Stock Up Now

for the prosperous busy season about to open. Here are some **Standard Goods** of which we carry an immense stock, all sizes.

We shall make a Superb Display at Gincinnati

Palms, Bay Trees, Box Trees, Evergreens, Crotons, Stove Plants, Adiantum Farleyense, Boston Ferns in all varieties, Aspidistras, Lorraine Begonias, Azaleas, Lilacs and Shrubs for Forcing, Camellias, Ficus elastica and pandurata, Pandanus and all kinds of Greenhouse Plants.

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We are the largest **Growers** of Orchids in the country. Our stock is immense and our collection unrivalled.

Here's an offer for quick acceptance. There's money in it for you.

Cypripedium insigne, 5 to 5½ in. pots, \$50 per 100

Dendrobium nobile, imported, \$1 each

JULIUS ROEHRS CO.

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Pandanus Utilis

Extra fine healthy stock, out of 3-in. pots, at \$12.00 per 100.

SMILAX, out of 3-in. pots, at \$3.00 per 100.

BEGONIA GRACILIS LUMINOZA, out of 4-in. pots, at \$5.00 per 100.

AMPELOPSIS VEITCHII, 2 year old plants out of 4 in pots, \$2.00 per doz.

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THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

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2½-in., \$40.00 per 1000; 3½-in., from Bench,
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

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Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

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KENTIA BELMOREANA

6-in. pot, 22 to 24-in. high.....\$1 00 each
6-in. pot, 24 to 26-in. high.....\$1 25 each
6-in. pot, 26 to 28-in. high.....\$1 50 each
9-in. tub, 42 to 48-in. high.....\$5 00 each
9-in. tub, 48 to 54-in. high.....\$6 00 each

MADE-UP KENTIA FORSTERIANA

9-in. tub, 4 plants, 42 to 48-in. high..\$ 4 ea.
JOSEPH HEACOCK CO. WYNCOTE, PA.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good stock.

ORCHIDS

Arrived a large shipment of **CATTLEYA SCHROEDERAE** in splendid condition; we offer these in case lots of 400 bulbs at \$85.00.

Another and last shipment of the season of **CATTLEYA LABIATA**; this popular orchid is getting scarce; we offer these at \$50.00 per case. Buy these now, next year they will cost you more money.

CATTLEYA Percivaliana. A few cases of fine plants left unsold, these we quote at \$48.00 per case.

CATTLEYA Trianae. About ten cases of fine plants left unsold, these we quote at \$48.00 per case.

CATTLEYA Mendellii. Two cases left only, at \$75.00 per case.

CATTLEYA Speciosissima. These we offer at the low price of \$40.00 per case.

BRASSAVOLA Digbyana. Plants with 5 to 6 bulbs, \$9.00 per dozen; \$60.00 per 100. Plants with 7 to 10 bulbs, \$12.00 per dozen.

EPIDENDRUM Vitellinum Majus. Plants with 8 to 9 bulbs, \$7.50 per dozen, \$50.00 per 100.

LAELIA Aneaps. Fine plants with 10 to 15 bulbs, \$18.00 per dozen, \$125.00 per 100.

LAELIA Autumnalis. Fine plants with 6 to 9 bulbs, \$15.00 per dozen, \$100.00 per 100.

LAELIA Albida. Fine plants with 6 to 10 bulbs, \$12.00 per dozen, \$75.00 per 100.

CHYSIS SPECIES. A limited number only; fine plants with 6 to 8 bulbs, \$9.00 per dozen.

We respectfully invite you to visit us at the Convention and inspect our line of samples.

LAGER & HURRELL, - Summit, N. J.

VANDA Coerulea (The Blue Orchid). Fine well-leaved plants, 12 inches long, \$18.00 per dozen, \$125.00 per 100, 16 to 18 inches long, \$24.00 per dozen, \$175.00 per 100.

ONCIDIUM Incurvum. Fine well-leaved plants, with 9 to 12 bulbs, \$12.00 per dozen, \$90.00 per 100.

ONCIDIUM Splendidum. Extra fine stock, with 4 to 5 heavy bulbs, \$18.00 per dozen, \$125.00 per 100.

DENDROBIUM Formosum Giganteum. This is the finest lot of plants ever arrived here. Plants with 6 to 8 bulbs, \$18.00 per dozen, \$125.00 per 100. Plants with 9 to 12 bulbs, \$30.00 per dozen, \$200.00 per 100.

MILTONIA Candida. Superb plants with 6 to 8 bulbs, \$18.00 per dozen. Superb plants with 9 to 12 bulbs, \$24.00 per dozen. Larger masses, \$3.50 to \$5.00 each.

MILTONIA Spectabilis. Large masses at \$5.00 each; or smaller plants at \$1.50, \$2.50 and \$3.50 each.

MILTONIA Flavescens. Large masses at \$5.00 each; or smaller plants at \$2.50 and \$3.50 each.

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General Sales
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Texas Figs Are World's Fair Winners

The famous fig preserves made at Aldine, near Houston, are the finest and best known in the world. One important thing which must not be overlooked is that fig orchards never fail to produce large, profitable crops here.

One Acre Set in Figs and one Town Lot, both for \$230, Payable \$10 down and \$10 per month, without interest. No payments when sick.

CLEAR WARRANTY DEED IN CASE OF DEATH

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WHITE ORCHIDS

Are always valuable for Florists:

Coelogyne Cristata Chatsworthii. Strong, healthy plants in 4, 5, 6, and 7 inch Pots. Ready to flower the coming Winter.

\$1.25, \$1.50, \$2.50 and \$3.50 each. Will give many flowers

Rose Hill Nurseries, New Rochelle, N. Y.

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Shrubs

Wittbold
FLORIST

Ferns

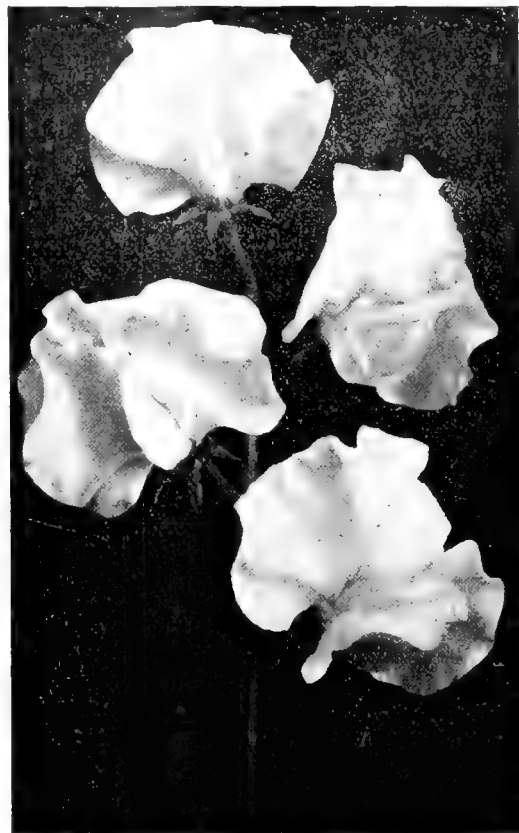
Perennials

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CHRISTMAS AND THANKSGIVING FLOWERING SWEET PEAS



Boddington's Extra Early Christmas White Sweet Pea, Snowbird. Flowers within two months of time of sowing.

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird, earliest forcing white.....	\$0.20	\$0.75	\$1.25	\$2.00
Boddington's Christmas White.....	.10	.40	.60	1.00
Boddington's Christmas Pink.....	.10	.40	.60	1.00
Florence Denzer, pure white.....	.10	.40	.60	1.00
Watchung, pure white.....	.15	.60	1.00	1.75
Mrs. Alex. Wallace, lavender.....	.20	.75	1.25	2.00
Mrs. Wm. Sim, salmon pink.....	.20	.75	1.25	2.00
Mrs. Chas. H. Totty, sky blue.....	.25	1.00	1.50	2.50
Mrs. J. F. Dolansky, soft pink.....	.20	.75	1.25	2.00
Le Marquis, deep violet blue.....	.20	.75	1.25	2.00
Wm. J. Stewart, beautiful blue.....	.20	.75	1.25	2.00
Mrs. Geo. Lewis, a pure white wavy variety.....	.50	1.50	2.75	5.00
Greenbrook, white suffused lavender.....	.50	1.50	2.75	5.00
Mrs. J. F. Hannan, deep pink.....	.50	1.50	2.75	5.00
Mrs. W. W. Smalley, light pink.....	.20	.75	1.25	2.00
Canary, light yellow.....	.20	.75	1.25	2.00
Flamingo, crimson.....	.50	1.50	2.75	5.00
Mrs. E. Wild, carmine red.....	.20	.75	1.25	2.00
Miss Helen M. Gould, white, standard variegated lavender.....	.50	1.50	2.75	5.00

Boddington's MAJESTY MIGNONETTE

Recognized by the growers as the best paying and finest fancy Mignonette grown. In the market it always brings top prices. Seed saved from selected spikes (only) under glass.

½ trade pkt., 60c; trade pkt., \$1
5 pkts. for \$4

GIGANTIC PANSIES

can only be produced from the Giant Strains. Our CHALLENGE PANSY seed contains only the giant self colors, the giant striped and variegated and the giant blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100.00 per ounce.

PANSY—BODDINGTON'S CHALLENGE

Trade pkt.	¼ oz.	½ oz.	¾ oz.	1 oz.
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, SEEDSMAN
342 West 14th St., New York, N. Y.

Rocky Mountain Rambles

VIII.

The flora of the Cascade Mountains of Washington is much like that of western Oregon. There are forests of Douglas Fir, or, as it is known in Washington, the



Oregon Fir (*Pseudotsuga Douglasii*) with undergrowth of Hemlock, Young Oregon Firs, Yews (*Taxus brevifolia*), Pines and Conifers, Vancouver, Washington

Washington Fir, while in Oregon it is commonly called the Oregon Fir. That is the commercial name for the timber. The magnificent forests of this species in Washington do not have an equal anywhere else in the world; and this is not surprising if we take into account the rainfall which in the Puget Sound country is about fifty-three inches, while up in the higher Cascades, near Seattle, it is one hundred inches and even reaches one hundred and fifty inches. Under such climatic conditions the seeds of trees germinate readily and grow at once and all trees continue to make a vigorous growth. These great forests then are due to the climatic conditions of the region. On the east slope of the Cascades the rainfall is much less, and one finds here the Bull Pine (*Pinus ponderosa*) interspersed with beautiful White Pines (*Pinus monticola*) which sometimes reaches a height of 200 ft. and a diameter of 6 ft., although there are many trees over 100 ft. high and 3 or 4 ft. in diameter. The tree resembles our eastern White Pine but is more slender and with slender spreading or somewhat drooping branches; like the White Pine, the leaves are in fives but the leaves are bluish-green and glaucous.

It is a more beautiful tree than its eastern cousin. The Balm of Gilead Poplar is common; brambles, rose and salmon berry abound in the woods.

Farther eastward we have an elevated plateau made up largely of disintegrated lava beds. The summers are hot and they have brief cold spells in the winter but these are tempered by the chinook winds. The Palouse, Spokane, Yakima, and Walla Walla countries are well-known. Almost every agricultural crop grown in temperate regions is grown successfully here without irrigation. It must not, however, be assumed that the great small-grain fields can be cultivated with the same crop year after year; it has, therefore, become a common practice to summer fallow. The region, too, has become famous, where irrigation is practiced for its growth of horticultural products. Apples, pears, strawberries and other small fruit are abundantly grown in the region. The raspberries and blackberries are especially large and delicious. The Yakima region is especially famous for its fruit, but it is by no means the only region in eastern Washington adapted to the growing of fruits; in recent years other regions have become equally famous.

The forests of the Cascades on the coast may consist of many pure stands of the fir with many trees 8 and 9 and even 10 to 12 feet in diameter or they may be interspersed with the Western Hemlock (*Tsuga hetero-*



Washington Cedar (*Thuja plicata*). Used largely for making Shingles, Takoma, Washington.

phylla) from 2 to 6 ft. in diameter and from 100 to 200 ft. high, or the Washington Cedar (*Thuja plicata*), a magnificent and graceful tree from 100 to 200 ft. high and from 2 to 12 ft. in diameter at the base, and a



Cedar River near Seattle, outlet of Cedar Lake. Spruce, Hemlock, Fir and Alder

large fir (*Abies grandis*) and an occasional spruce (*Picea*). The forests reach to the very edge of Puget Sound and skirt the shore lines of the streams and lakes.

Seattle and Tacoma, the two thriving cities upon Puget Sound, are blessed with many natural advantages. Puget Sound is one of the most beautiful bodies of salt water in the world, and Seattle has the additional advantage of several fresh water lakes, Lakes Union and Washington. It is really a pity that the trees in Seattle and Tacoma have long since been removed and it has become necessary to replant the cities with trees. Both in Tacoma and Seattle and in this part of Washington, flowers bloom in every month of the year. In the far distance from these cities in the Cascades are beautiful mountain streams and waterfalls. The city of Seattle has acquired the region about Cedar Lake from which it gets its supply of water and some of its power to run the electric light plant. The lake is surrounded by steep and precipitous bluffs covered with a magnificent growth of timber. Coming from this lake and passing down through a deep gorge is the Cedar River, a beautiful stream of sparkling water, lined with the forest primeval. For eleven miles along this stream the Chicago, Milwaukee and St. Paul Railway has built its road to gain entrance into Seattle. It is to the credit of Seattle and Tacoma that they have set aside considerable areas for park purposes and that they have preserved in these parks some of the original forest trees. The gentle

hills, valleys and gorges are ideal locations for parks, and in the far distance from Seattle and Tacoma is Mount Rainier National Park. On a clear day—but the summer days are usually hazy—the majestic, snow-capped, glaciated peak of Mt. Rainier may be seen from these cities. It is, without doubt, the most superb mountain in the United States proper. Paradise Valley in the Mt. Rainier National Park, may be reached by railroad from these places and by stage. It is, indeed, a veritable paradise of plants.

Northern Idaho, through which one passes by taking the Northern Pacific eastward, is a great forest of pine consisting of White Pine, Bull Pine and Larch mixed, with many deciduous shrubs and a few trees like the White Birch (*Betula papyrifera* var.) and Alder. After reaching Sandpoint, near Lake Pend d' Oreille, you pass for miles along the Clarke's Fork, certainly the most beautiful stream in Montana. It commemorates



Clark's Fork, Montana, in Indian Reservation

Captain Clarke of the Lewis and Clarke Expedition. The stream has cut its way through a gorge and on both sides is lined with a young growth of the western White Pine and Bull Pine.

L. A. Samuel

Ames, Ia.

British Horticulture

PROPOSED INTERNATIONAL FLOWER SHOW

It cannot be said that horticulturists pursue a policy of "Splendid isolation." In recent years representatives of various nationalities have met in friendly rivalry; each nation has undoubtedly profited by these pleasant interchanges of ideas. The last time that Britain has taken a leading part in an international flower show was in 1866, and the Royal Horticultural Society Council think that it is an opportune time to return some of the generous hospitality which has been extended to this country in the past from foreign horticulturists. The Society propose to shortly call a meeting to discuss the proposal, and should it receive sufficient support an influential committee will be appointed to make the necessary arrangements. It is announced that the Council, on certain conditions, are prepared to guarantee £5,000 (pounds). The leading members of the Council have made many friends on the Continent in the visits which have been paid to the foreign flower shows, and there is no doubt that the French and German gardeners particularly would be very glad to co-operate in a movement of the kind suggested. The Royal Horticultural Society has always been anxious to pursue a comprehensive policy, and to have a wide basis for its operations. With this object in view it has in years gone by sent collectors to all parts of the world, whose labors have enriched our floral possessions. In this useful work we have the record of such men as Reevesdon, Forbes, Douglas, Potts, Damper, Parks, McRae, Hartweg, and Fortune. In seeking to arrange an international show the Society is continuing its policy of avoiding insular and restricted interests.

A NEW TOMATO DISEASE

The Board of Agriculture have issued particulars respecting a new tomato disease which has been introduced in this country from abroad. The damage which the fungus is capable of doing is very serious. A crop of out-door tomatoes in Gloucestershire was entirely destroyed by it. The plants attacked show small blackish green spots on the leaves. These are irregular in shape at first, but soon become concentric, and finally confluent and the leaves, which are rapidly killed, roll up and hang loosely from the stem. The fungus also attacks the stem, the calyx, and finally the fruit itself. The Board advise the spraying of affected plants with a 3 per cent solution of Bordeaux mixture early in the morning every second day for two weeks. The spray should be in the form of a fine vapor falling upon the plants like a natural dew. The ingredients for a 3 per cent solution would be 3 lbs. copper sulphate, and 2 lbs. freshly burnt quicklime to 10 gallons of water. It is also suggested that the top soil should be removed, and mixed with fresh lime in the proportion of one barrowful of lime to five of soil. It can be replaced after the lime has slaked. When planting young tomato plants pulverized lime should be scattered on the ground round the stems. The Department also advise that any wires and props used in the house or in the open air should be slowly drawn through fire in order to kill the spores adhering to them. When no remedial measures

are taken, the whole plants may be destroyed within seven days from the first sign of the disease.

SOME NEW ROSES

At the summer show of the Royal Horticultural Society at Holland House, Kensington, there were some notable novelties in the rose section. General admiration was bestowed on the Duchess of Wellington, a H. T. of the Killarney type, and of a delightful shade of orange and gold. Walter Speed is an imposing bloom of a deep lemon yellow tint. Grace Molyneux, another H. T., of pleasing form; it is creamy apricot, with a flesh tint in the centre. This meritorious trio emanated from Messrs. A. Dickson and Sons, of Newtownards, Ireland, who received an award of merit for each. Ariel is the name of a new Rambler, which G. Paul and Sons have introduced; the blooms resemble Irish Glory, and are of a rosy-pink hue. Shower of Gold, another Rambler shown by Messrs. Paul, is of a tint midway between Alister Stella Gray and W. A. Richardson, and it is likely to prove very popular. The following other new comers were noted: Mrs. Hubert Taylor, resembling Muriel Grahame; Juliette, a hybrid from Soliel d'Or, of a carmine pink shade; Alice Cory Wright, shell pink; Cynthia, lemon yellow; Hugo Roller, lemon yellow and crimson pink; Mrs. Philip Le Cornu, a deeper shade of color than Mrs. W. J. Grant; Jessie, a new polyantha, of a scarlet red tint; Beatrice, of a color between Sunrise and Beaute Inconstante. Altogether the visitors had every reason to be satisfied with the wide range of novelties provided for their delectation.

ITEMS OF INTEREST

Arrangements are already being made for laying out a portion of the grounds in the Japanese style at the White City for the Anglo-Japanese exhibition next year, the inaugural banquet of which has lately been held. Owing to the unfavorable season the strawberry crop has been disappointing. Many of the growers have sustained heavy losses.—The Fruit and Floral Committee of the Royal Horticultural Society recently celebrated its jubilee by holding a banquet under the chairmanship of Sir Trevor Lawrence. Mr. George Bunyard, the Chairman of the Committee, has been presented with his portrait in celebration of the event. The picture is to hang at the offices of R. H. S., at Westminster, where the portraits of several horticultural worthies adorn the wall.—Miss Stella Frost, a pupil at the Thatcham Fruit and Flower farm, has gained the gold medal of the Royal Horticultural Society's public examination in horticulture.—The flower trade at Covent Garden has lately been very slow, owing to the glut of sweet peas, which are being grown for market in increasing quantities; roses have also been superabundant.

W. H. Adsett.

Roses Under Glass

SEASONABLE CULTURE OF MY MARYLAND

Of the new varieties recently disseminated, Maryland perhaps has attracted the greatest amount of attention and its progress this season will be watched with keen interest—and some qualms, perhaps—by those who have gone in for it. Much has been said and written about this variety, adverse and otherwise, and while those who have failed to do well with Maryland may be excused for their unfavorable comments there is every reason to

believe that this rose can be grown successfully and from a financial viewpoint satisfactorily.

Maryland is a profuse bloomer! Of this there can be no doubt and this very quality coupled with the greed of those "grumblers" is doubtless responsible for their failure to cut heavy crops during the winter. When we consider that each plant makes from eight to twelve or more buds each crop, it is quite obvious that the taking of such a tremendous crop at once is bound to administer a severe check to root action and while it may recover from one such shock, a second will undoubtedly weaken the stock to the extent that it will make but little growth until near the end of the season, when nature reasserts itself and almost anything will grow.

If the disbudding were done from the beginning with a view to maintaining the growth at different stages of development, the crops would not be so large, but the check to root action would be less severe and in the end the quantity of flowers taken would equal if not exceed the cut from plants that cropped straight through the season.

Maryland is a rapid grower and rather a heavy feeder, and large supplies of water are necessary to keep the food in an assimilable form. It is very important that this liberal use of water be attended by frequent stirring of the soil to keep it sweet and free from cakeing.

Of insect pests red spider is about the most troublesome during the summer months and advantage should be taken of every bright day to give the young stock a thorough syringing. In hot weather, a second syringing or spraying in the afternoon is of great benefit, helping to cool the house, recharge the air with moisture, and giving to the foliage that firm, rubbery texture so characteristic of well grown Maryland.

J. E. Simpson

Rehmannia angulata

See Supplement

This beautiful half-hardy herbaceous perennial was recently introduced from central China by James Veitch & Sons through their collector, E. H. Wilson. The flowers are produced in abundance and individually resemble much those of *Incarvillea Delavayi*, as shown in the colored plate issued as a supplement with this number of HORTICULTURE.

By making sowings of the seeds in March, or early in April in heat, and pricking-off the seedlings as soon as large enough to be handled, they may be had in flower in August. When grown in pots the cultivation is the same as that for the fuchsia. The propagation of the plant from cuttings is to be preferred to seed sowing, and the young plants come quickly into bloom. The cuttings should be struck in small pots singly and given bottom heat. Cuttings taken in February and March are ready, under good management, for planting out in May in the open air. An open spot should be selected for the bed or group. If florists would take up the pot culture of this plant they would doubtless find it a ready seller.

Frederick Moore

Notes from the Arnold Arboretum

Very few of the numerous species of the genus *Buddleia* widely distributed through the tropical and subtropical regions of Asia, Africa and America are tolerably hardy in this latitude. One of them is *Buddleia japonica* which is in cultivation since many years, but it is not so particularly ornamental, as the dull lilac flower spikes are not very showy. Much more beautiful, however, is the recently introduced *Buddleia variabilis* from Central China. It is a graceful shrub from six to eight feet high with upright or spreading and often arching branches, clothed with handsome foliage dark green above and silvery white beneath, lanceolate in outline and from four to ten inches long. The lilac fragrant flowers are borne in dense spikes from four to six inches long, the individual flowers being small and colored orange in the centre. Studded at the tips of its branches and branchlets with its long lilac flower clusters the shrub presents a graceful appearance and is the more valuable, as it blooms during August and September. Unfortunately it is not perfectly hardy here, but even if killed to the ground, vigorous young shoots spring up again and usually bloom profusely the same year. In addition to the type two superior varieties have been introduced more recently. *Buddleia variabilis Veitchiana* is more robust, the flower spikes are longer and denser, sometimes measuring over two feet in length and the more richly colored flowers have a brighter orange centre. *Buddleia variabilis magnifica* has bright violet purple flowers with a deep orange eye and more constricted spikes, otherwise it is much like the preceding variety. The latter variety is the earliest to bloom, then follows var. *magnifica* and after the type which is the next comes a still later form, var. *Wilsoni*, which has not yet flowered at the Arboretum; it is said to have the largest flower spikes of all, over two feet long, and the flowers are of bright rose lilac color with an intense orange centre. There are also some other recently introduced species which have not yet flowered at the Arboretum; one is *Buddleia nivea*, remarkable for the white fluffy covering of the stems and the under surface of the leaves, while the upper side is dark green and nearly smooth; the flowers are not very showy, small and lavender-blue and partly hidden in the white tomentum of the inflorescence. Another is *B. albiflora*, but not white-flowered, as the name seems to indicate, the flowers being pale mauve coloring with orange centre. It much resembles *B. variabilis*, but is less beautiful than the varieties of that species.

As a new form of a well known native late-flowering shrub mention may be made of *Clethra alnifolia rosea* which is now in cultivation at the Arboretum, and though it has not yet flowered here, I had the opportunity of seeing fresh flowers from the Watuppa Lake near Fall River where this form was discovered several years ago. The flowers are flushed with pink outside, while in bud they are bright pink. It will make a pleasant contrast if planted together with the white-flowering type. *Clethra alnifolia*, White Alder or Sweet Pepperbush, is a handsome shrub and to be recommended for its late spicy flowers. It should, however, not be planted in too sunny and dry situations, as the foliage in such localities is often disfigured by the red spider and the shrubs look then rather unsightly. It grows naturally in swampy soil.

Alfred Rehder

SUPPLEMENT HORTICULTURE
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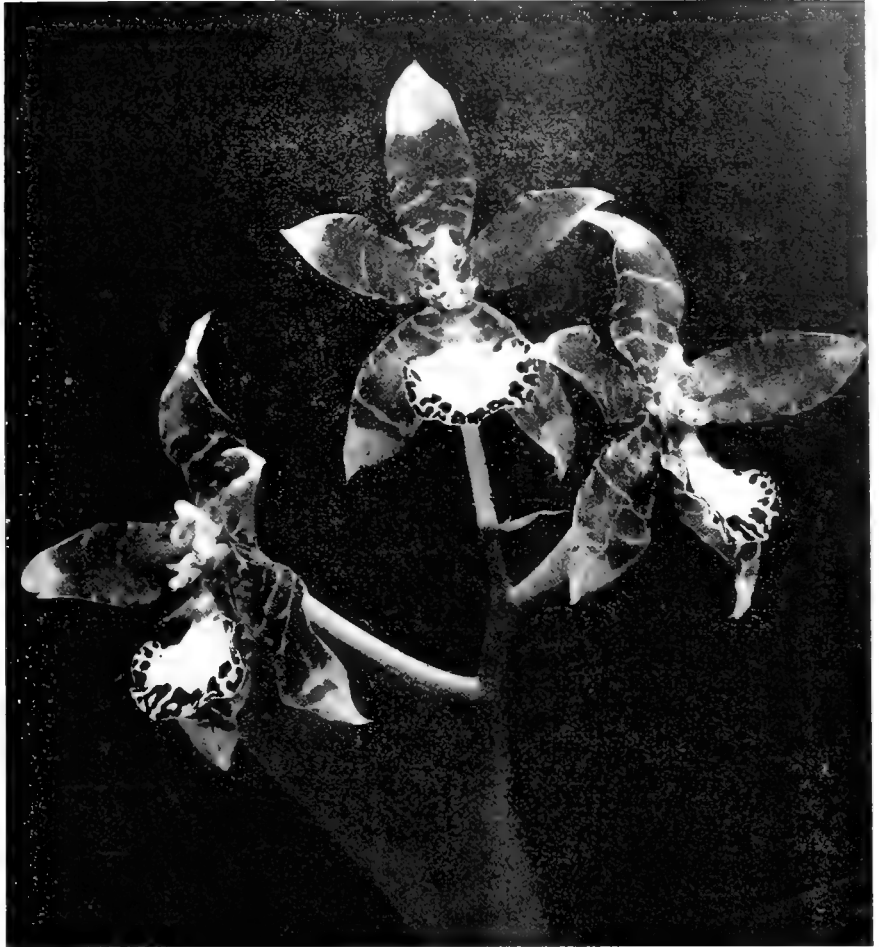
REHMANNIA ANGULATA
PINK PERFECTION.



Odontoglossum Insleayi

Odontoglossum Insleayi makes a nice companion to the ever popular *O. grande* or "Baby Orchid." It requires similar treatment to *O. grande* and flowers at about the same time. While the flowers are not as large as those of *O. grande*, they are nevertheless very attractive. The sepals and petals are greenish yellow barred and blotched with chestnut brown; the lip is bright golden yellow, bordered with cinnamon red spots. In habit of growth it very much resembles *O. grande*.

Here the plants are grown in a cool house where azaleas and other plants requiring similar conditions to grow in are kept all the year around. In this house the temperature ranges in winter from 45 degrees to 50 degrees at night, with a rise of 5 degrees to 10 degrees during the day, according to the amount of sunshine available. From the time the flowers have developed until the plants start to grow again in spring very little water is given, but during their growing season they are freely watered and if time permits they are dipped in weak liquid manure about once or twice a week. These plants, like most all of the Mexican orchids, like plenty of sunshine all the year around; ground glass gives all the necessary shade here.



Osmunda fibre is used in small quantity for a compost.

Naugatuck, Conn.

M. J. Ope

Transatlantic Plant Notes

IVY-LEAVED PELARGONIUMS

An improved race of *P. peltatum* has come into commerce which is likely to supersede the scendent varieties. The habit of growth of these newcomers is compact, the trusses of flowers larger, and consisting of a greater number of "pips," and the colors more varied. The older varieties are admirable subjects for clothing a wall, suspending from a glasshouse rafter or principal, attaching to a supporting pillar, or as a filling for baskets, windows or balcony boxes; but as portable subjects for the conservatory, or apartments, they are not exactly fitted. Of varieties of this new race I may mention Mrs. Hawley, a rosy crimson, semi-double flower, produced to the number of 6 to 8 in a truss supported on moderately long stout petiole; Sabrina, a single-flowered, scarlet variety; Resplendent, with double flowers of a rosy crimson tint, the truss of a large size; Colonel Baden Powell, of a lilac color, dotted with crimson—a beautiful flower. Others of fine quality are Hector Giacomelli, Mrs. W. H. Martin, semi-double and Southgate

Perfection. The leaves of these varieties are of remarkable substance, and of a vivid green color.

NYMPHAEA MOOREANA

A species of *Nymphaea* under this name was shown at the recent meeting of the Royal Horticultural Society by J. Hudson, gardener to Leopold de Rothschild. It seemed to be an improvement upon *N. Marliacea chromatella*, a straw colored variety, having bright orange stamens, fragrant, and a continuous bloomer during the warmer months. *Nymphaea Mooreana* has deep yellow flowers, and is equal to *N. chromatella* in floriferousness; the leaves are of great substance, without any mottling; the blossoms when open are more globular, and the petals of greater width. The plant is an acquisition to the race of hardy water lilies, and was sent to Mr. Hudson by a correspondent residing in Australia some few years ago. We thus have a native of sub-tropical Australia proving itself capable of succeeding as an ordinary inmate of a garden lake in southern England, with its somewhat severe winter climate.

Fredrick Moore

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The birth of the S. A. F.

The conception of the organization of a national association devoted to the interests of ornamental horticulture which had its origin in a conference between John Thorpe and E. G. Hill at Cleveland some six years previous took practical form at a meeting in Chicago, June 19, 1884, at which thirty or forty gentlemen were present. Although organization was not fully effected until the convention at Cincinnati in August of the following year yet the definite existence of the Society of American Florists is conceded to have begun at the somewhat informal Chicago gathering, hence while the Convention of 1909 is practically the 25th anniversary of the Society's birth, but twenty-four years and not a quarter of a century as has been several times thoughtlessly stated, have elapsed between the two Cincinnati events. The direct work of outlining the business for the first convention devolved upon an executive committee meeting held at Pittsburgh, Pa., in February, 1885.

The field as planned

We use the expression "ornamental horticulture" above, with full intent. The addition of the words "Ornamental Horticulturists" to the title of the Society a few years ago has been interpreted by many, either in sincerity or for a purpose, as indicating an attempt to divert the organization from the ideals of its founders as set forth in the original name of "Society of American Florists." In refutation it is only necessary to call attention to the sentiments and wording of the original call for the Convention held at Cincinnati in 1885, of which we are pleased to be enabled to present a "fac-simile" in this issue of HORTICULTURE.

The path of progress

With the foregoing brief notes on phases of the Society's beginning we propose to discontinue consideration here of the history of the organization. So much has been already written from time to time on this subject that we are satisfied that our readers, who, we presume, are not particularly hungry for statistics, are already sufficiently conversant with what the S. A. F. has been doing during its twenty-five years of useful life. The only further reminiscence we shall indulge in will be a rather sketchy summary of what its various presidents have regarded as the pressing needs of the art in this country and as presenting fields for legitimate organized improvement work, as set forth in their various annual addresses before the Society.

President John Thorpe, in his addresses at the first and second conventions of the S. A. F. called attention to the great need for the diffusion of knowledge among the craft and of the love for flowers among the people generally, the latter to be accomplished through the attainment of the former. He urged the support of the local societies and of public floral exhibitions and the giving of more general attention to the science and practice of plant breeding; he advocated the establishment of an experimental garden, a mutual benevolent association and of "a well-managed horticultural weekly."

President Robert Craig wanted to see dealers avail themselves of the commercial advantages presented in the opportunity to participate in the Trade Exhibitions, believed in encouraging the planting of more hardy evergreens and advised the organization of local clubs and support of local exhibitions.

President E. G. Hill recommended the establishment of a training school where young men might obtain scientific and technical knowledge in floriculture. He wanted to see more attention given to the raising of new plant forms of American origin. Like his predecessors he spoke for the encouragement of public exhibitions and the formation

of florists' clubs. He called attention to the need of a better credit system and protection against the dissemination of plants under false or misleading names.

President John N. May urged the value of public exhibitions as educators for all and pleaded for better commercial methods in the flower trade.

President J. M. Jordan believed in the teaching of horticulture in the public schools, the encouragement of bequests and donations for horticultural purposes and recommended co-operation of societies and individuals with the Experiment Station.

President M. H. Norton advocated the establishment of a reliable system of nomenclature, the support of public exhibitions, the organization of local clubs, the development of better taste in artistic floral work, the adherence to a single specialty by flower growers, the higher education of the young men in the trade, the cultivation of more friendly business relations among the craft and the encouragement of young ladies to enter the florist business.

President James Dean advised perseverance in the hybridizing and cross breeding of plants, the encouragement of State Horticultural Societies and kindred associations and co-operative relations between the S. A. F. and auxiliary societies. He dwelt upon the desirability of combining the scientific with the practical education for young florists and suggested that the Experiment Stations should be appealed to to aid the florist in his perplexities, through investigation and research.

President W. R. Smith wanted to have the compost heap removed from the front yard and a little ornamental horticulture introduced in its stead. The surplus flowers should be given to the children and the hospitals. Florists' bulbs should be produced in this country and the lists of varieties of chrysanthemums, carnations, etc., should be largely reduced.

President J. T. Anthony believed America should produce her own roses as she has been doing with chrysanthemums and carnations. The S. A. F. should unite the work of all special societies and compensate a secretary sufficiently to command his whole time. He recommended the establishment of an examining board to grant certificates of proficiency in floriculture.

President Edwin Lonsdale advocated the establishment of botany classes in connection with florists' clubs and societies and the regular study of botany in the public schools, the providing of a literary bureau to furnish reliable news and cultural notes to newspapers and periodicals. He advised greater use of the facilities for soil tests and combatting insects and diseases as afforded by the Government Experiment Stations. He thought that florists should study the requirements of plant life to withstand unfavorable conditions of apartments so as to more intelligently advise buyers.

President Wm. Scott spoke of the higher education essential for the young florists of the future and denounced misrepresentation and the giving of misleading names in the sale of plants. He recommended the establishment of a flower show as a regular adjunct of the S. A. F. conventions.

President Adam Graham urged that the craft make a greater use of the opportunities which organization offers.

President Wm. F. Gude advocated the encouragement of home bulb production, the use of all means for developing a general love for flowers and recommended an annual national flower show.

President W. N. Rudd declared the great need of the times to be "to discourage and stamp out from our profession and practice that which is bad; to commend and retain that which is good; to point out and retain that which is lacking" and advised a system of joint registry for new plants by the S. A. F. and special societies; he also made an appeal for a greater number of varieties in the flower market stock.

President E. M. Wood recommended the establishment of a fund in the S. A. F. for special objects, the encouragement of auxiliary societies but under the auspices of and a charter from the S. A. F. He urged the establishment of a department of co-operative purchase of supplies, and the building of a national home for the S. A. F. second to no other horticultural building in the world. His text throughout was unity and co-operation.

President Patrick O'Mara advised the alliance of the S.

A. F. and the special societies, the support of the movement for a "parcels post," the production of home-grown bulbs, plants and seeds and the sending abroad of someone to study the production there of what we are now importing. He urged the education of employees and spoke of the value of competitions to stimulate ambition, supplemented by access to college experiments and literature thereon.

President John Burton advocated the appointment by the S. A. F. of committees on the Peony, the Iris and the Phloxes as the most simple, flexible and natural of the various plans put forth in the interests of "closer relations" between the S. A. F. and other societies. He urged the desirability of horticultural education for children, the support of floral exhibitions, the home production of florists' bulbs and the revival of the Nomenclature Committee by the S. A. F. and uttered a caution against the danger of too rapid expansion and development of business enterprises under existing conditions.

President Phil. Breitmeyer repeated the warning against overproduction and called attention to recent labor problems, advocating the adoption of a more nearly uniform scale of compensation for the florists' employees. He urged recognition and encouragement for the amateur horticultural societies by the trade, the more general use of flowering plants in public parks, a wider use of the Experiment Station facilities and the establishment of an arbitration committee by the S. A. F.

President J. C. Vaughan recommended a greater interest in Civic Improvements within the scope of which horticultural products come. He voiced the value of a press bureau, urged the support of public exhibitions, the teaching of horticulture in the public schools, the sending of club delegates to S. A. F. meetings and that the Society should be backed up by the trade in an effort to secure uniform inspection laws, equitable freight classifications, and fair legislation. He favored tariff reduction, parcels post and larger state appropriations for experimental work in floriculture.

President W. F. Kasting made a strong plea for greater diligence on the part of the florist trade in beautifying their own premises as an example for the public to follow. He urged the desirability of more effort to interest and instruct the public in horticultural exhibitions, favored national flower shows, a more general use of the Experiment Stations, parcels post, better business methods, the support of the trade press and the abolition of the congressional free seed system.

President Wm. J. Stewart urged the need of more thoroughly equipped horticulturists, a better system in all departments of study, self-education in artistic taste, the support of the societies, a sentiment in favor of forest protection, the encouragement of school gardening, education of the public by florists' example, affiliation and intelligent co-operation between the various societies, a more comprehensive system of plant registration, parcels post and the stimulation of the production of home-grown material.

President F. H. Traendly spoke against the use of painted or wax flowers and galax leaves and urged the advancement of the sale of greenhouse products, supported the work of the "Council of Horticulture," advocated parcels post and horticultural education in the public schools and advised the turning over of the work of plant registration to the Bureau of Plant Industry at Washington.

Each one of the gentlemen whose views are above quoted was naturally influenced in his address by local and timely considerations and some were called upon to face crises in the Society which demanded careful thought and wise counsel on problems more directly concerning the internal affairs of the organization than the broader interests of the horticultural industries and such we have passed over as irrelevant here. Broadly considered, the sum and substance of the recommendations to which we now call attention is that those engaged in horticultural industry should take full advantage of every means for advancement individually and collectively and then, through a proper use of this intelligence, uplift the public to a higher knowledge of horticulture and a better appreciation of horticultural art. The organiza-

tion of local florists' clubs and societies, the support of exhibitions—trade or public—the supervision of horticultural information as disseminated through the public press, the acquirement of fundamental knowledge on the part of employes whose duties bring them into contact with the people, the condemnation of everything savoring of pretence or misrepresentation in trade dealings, are all means tending to the end so much to be desired. To facilitate progress towards this laudable purpose the active co-operation and aid of the Experiment Stations in horticultural work should be enlisted and that adequate importance and strength may attach to all movements for such recognition, practical affiliation and cohesion between all our local and national organizations is an essential which no one will question. These instrumentalities for the betterment of American horticulture and of those who make it their avocation have lost nothing of their importance with the lapse of time but are of as vital consequence now as when advocated by the earnest men whom the national society has chosen as its standard bearers from year to year. They all lead in the direction of progress and are founded on those principles which must be accepted and followed if American horticulture is to attain and hold its rightful position. They furnish unlimited material and inspiration for conventions without number and are an unfailing guide for the activities of clubs and societies wherever located and however constituted. They embody the concrete wisdom and aspiration of the craft as kindled and evolved under the kindly nurture for a quarter century of The Grand Old Society.

Privileges curtailed

Those who are disposed to accept without qualification the off-hand statement made by the railroad representatives, as quoted in the S. A. F. preliminary program, to the effect that under present arrangements S. A. F. members can attend the convention as cheaply as formerly, may perhaps find subject for thought in the fact that the ROUND TRIP rates to the first Cincinnati convention as quoted from several points were as follows:

From St. Louis	\$13.30
From New York.....	16.00
From Philadelphia	14.00
From Chicago	9.00

With all our alleged advancement in transportation facilities and the freely predicted benefits in which the public were to share as a result of the abolition of free passes we are confronted with the fact that from some of the most important centers we are now called upon to pay almost double the fare for which the railroads were willing to carry us to the convention twenty-four years ago. We are aware that all protests are unavailing and have no doubt that everything that could be done has been done to secure better terms. Our main object in these lines is to impress upon our readers the truth as to the situation and to warn them not to be too ready to take on trust either the acts or assertions of the railroad people in their present frame of mind towards the public.

Where the retailer should get busy

The prohibition placed by school committees and others in authority upon the public presentation of flowers to graduating pupils of schools and seminaries is, we understand, to be brought before the Society of American Florists for consideration, by florists who find their business suffering from this alleged oppressive proscription. Just what the S. A. F. will be asked to do in the matter is not in evidence yet, but it is greatly to be desired that the controversy

be handled in a discreet and carefully considered manner so that it be made plain that dictates other than those that are purely mercenary are behind our activity. There is another subject which might with wisdom be slated for attention at Cincinnati. We refer to that standing reproach to the retail flower trade in many places—the practice of soliciting orders for floral designs at homes where death has entered. If some practical plan of dealing with the evil could be evolved it would conduce to the honor of the entire florist trade, for, while the respectable portion of the retail store trade is the principal sufferer, in dignity and in pocket, yet it is plain that so long as no general protest is made those engaged in other departments of floral industry must bear, in the public estimation, a share of the disrepute attached to the custom which has of late years been rapidly spreading among a certain class of so-called florists. Growers and wholesalers having regard for the fair name of their business should be found ready to join with the decorous element in the retail trade in deprecation of the abuse and in giving wide publicity to their sentiments regarding it. Apart from the phase of the question which we have here touched upon it will be well to consider whether the florists' business as a whole, including those industries more or less dependent upon it, is not materially out of pocket through the disfavor for other uses which florists' flowers must suffer through their frequent association with such vulgar practices.

Horticulture at the Convention

HORTICULTURE's office will be located on the first floor of the exhibition, to the left of and close to the front door. A good supply of this special issue of the paper will be on hand for free distribution and we shall be glad to have our friends call and exchange greetings. Some one will be in attendance during regular business hours to receive subscriptions and advertisements or attend to any other business connected with the publication. Give us a call.

We call the attention of our readers, with no little pride and satisfaction, to the splendid array of trade advertising which appears in this issue of HORTICULTURE—a much larger issue than we have ever before published and one which would not have been within our power had the advertising trade not responded so cordially to our announcement. We hope that the purchasing trade will not neglect the opportunity thus presented to acquaint themselves with what is in the market in the way of desirable material for the busy season which is now close at hand and will favor in every way possible the enterprising dealers who have chosen to talk to the buying trade through the columns of HORTICULTURE.

Our next issue will contain a full account of the proceedings at the 25th convention of the Society of American Florists and Ornamental Horticulturists at Cincinnati, Ohio, the exhibits and awards and other interesting news so far as completed up to the time of going to press. By the thousands of interested horticulturists not in attendance at the convention this will be perused with attention and the paper will be an especially good medium for advertisers because of this fact. If you have anything to sell you can feel assured that whatever you may offer in that issue will enjoy a widespread and remunerative publicity. Send copy in now while reminded of it and we will do the rest.



THE
SOCIETY

OF

AMERICAN FLORISTS

—What we have long needed.—

THE Florists of the United States have for a long time felt the necessity of an organization, national in character, honest and progressive in purpose. Such an organization is now an accomplished fact.

Who are Interested?—The 15,000 people directly and indirectly engaged in the business, are certainly interested in a Society that will study and further their general good, the amateur, lady or gentleman, the lover of flowers in town or country, the gentleman's gardener, will all be interested in our Society, as the whole range of horticulture will be reviewed from year to year, and gardening in all its phases will be discussed in a manner that can not fail to profit all.

Who will be Benefited.—Altogether the Florist, with his acres of glass, and his humble brother, with a few hundred feet, the decorative florist and dealer in flowers, the manufacturer and dealer in supplies of all sorts, the greenhouse builder and heating apparatus manufacturer and all those interested in floriculture whether for pleasure or profit.

The Aim of the Society.—is to pick up and carry forward all that tends to advance the growth of such a profitable occupation, to collect and diffuse from the best sources information that will be beneficial to all its members, to care for and instruct in the most judicious manner on a successful business, to help those overtaken by misfortune, to bring a brotherhood worthy of the golden rule.

The Plan of Action.—is to hold a yearly meeting at one of the larger cities, in connection with these there will be an exhibition—at such meetings the business of the Society will be conducted, the transactions of the year previous will be presented, and the program for the ensuing year laid down. The exhibition will be entirely unique, and of such interest it will be worthy of the Society of American Florists. The possibility of forming under a Hall Fund or a Mutual Insurance Company is generally conceded, and it will receive careful thought and prompt action on the part of the Society at its first annual meeting in Cincinnati.

Losses by Fire.—One of the first intentions of the Society of American Florists is to provide in the best manner an insurance against loss of glass by fire. To advise the best plans for this insurance it will be necessary that all information regarding losses by fire during the years '82, '83 and '84 be furnished the Secretary as soon as possible. We wish to investigate this thoroughly and ask our friends to report any losses and to state the NAME of the sufferer, DATE of occurrence, quantity and PER CENT. of glass broken. This is a matter of vital importance to the Society and a compliance with the above is urgently requested that the Society may have facts and data as a basis for action.

Who are Eligible.—"All Florists, Gardeners, Seedsmen, Nurserymen, Superintendents of Parks, Manufacturers of Heating Apparatus, Greenhouse Builders and dealers in Florists' Supplies in the United States and Canada shall be eligible to membership in this Society."

The fact that the large membership here given of representative men of the trade is voluntary and received almost without effort, proves that with the extended circulation kindly given our announcement through the various trade journals and catalogues we shall procure for our next membership list, the name of nearly every man connected with our business. Your name should be sent to the Secretary, or to the Vice-President of your State, or other officer of the Society and the regular numbered receipt of the Treasurer will be sent. **LET US HEAR FROM YOU.**

Annual Subscription.—The annual subscription is \$2.00, entitling members to all the privileges of the Society. Most of our members so far, wishing to give the Society a good impetus in the shape of an incidental fund, have paid \$3.00 extra, making a subscription of \$5.00. We shall be glad of many other \$5.00 subscribers.

For all particulars address:

E. G. HILL, Sec'y,
Richmond, Ind.

LIST OF MEMBERS SUBSCRIBING \$6.00.

W. G. Newitt, -	Chicago, Ill.	Frank Huston, -	Chicago, Ill.
Herman H. Ritter, -	Dayton, Ohio.	R. W. Coglan, -	Niles Centre, Ill.
Peter Henderson, -	Jersey City, N. J.	J. C. Vaughan, -	Chicago, Ill.
J. M. Jordan, -	St. Louis, Mo.	Anthony Wiegand, -	Indianapolis, Ind.
Joseph Heinl, -	Jacksonville, Ill.	B. P. Critchell, -	Cincinnati, O.
Myron A. Hunt, -	Chicago, Ill.	W. L. Smith, -	Aurora, Ill.
Wm. H. Boomkamp, -	N. Y. City.	John Goode & Co., -	Hyde Park, Ill.
George R. Mumma, -	Dayton, Ohio.	James King, -	Chicago, Ill.
Alexander Murdoch, -	Pittsburgh, Pa.	Ellwanger & Barry, -	Rochester, N. Y.
J. D. Carmody, -	Evansville, Ind.	Robert J. Halliday, -	Baltimore, Md.
H. W. Buckbee, -	Rockford, Ill.	Alfred Neuner, -	Louisville, Ky.
Luther Armstrong, -	Kirkwood, Mo.	C. B. Whitnall, -	Milwaukee, Wis.
F. R. Pierson, -	Tarrytown, N. Y.	Robert S. Brown, -	Kansas City, Mo.
Charles A. Reeser, -	Springfield, O.	Henry Michel, -	St. Louis, Mo.
A. Whitcomb, -	Lawrence, Kan.	Robert Craig, -	Philadelphia, Pa.
John Thorpe, -	Queens, N. Y.	Edwin Lonsdale, -	Philadelphia, Pa.
Robert George, -	Painesville, O.	H. A. Dreer, -	Philadelphia, Pa.

Practical Papers. short, concise and full of instruction will be read at the meetings, and printed with the reports of the Society each year. The papers will be read at the meetings, and printed with the reports of the Society each year. The papers will be read at the meetings, and printed with the reports of the Society each year.

Action Taken.—At a meeting of the representatives from every part of the State held in Cincinnati, Ohio, 1884, the Society was organized by the following:

OFFICERS.

JOHN THORPE, President, -	Queens, N. Y.
J. M. JORDAN, First Vice-President, -	St. Louis, Mo.
M. A. HUNT, Treasurer, -	Wright's Grove, Chicago.
F. G. HILL, Secretary, -	Richmond, Ind.

EXECUTIVE COMMITTEE.

ROBT. S. BROWN, -	Kansas City, Mo.	ROBT. CRAIG, -	Philadelphia, Pa.
J. C. VAUGHAN, -	Chicago, Ill.	ALFRED NEUNER, -	Louisville, Ky.
ROBT. J. HALLIDAY, -	Baltimore, Md.	ROBT. GEORGE, -	Painesville, O.
B. P. CRITCHELL, -	Cincinnati, O.	W. G. NEWETT, -	Chicago, Ill.
HARRY SUNDERBRUCH, -	Cincinnati, O.		

VICE-PRESIDENTS.

ROBT. H. HEATH, -	Canada West.	EDWIN LONSDALE, -	Pennsylvania.
C. E. ALLEN, -	Vermont.	ALEX. MURDOCH, -	Pennsylvania.
LUTHER ARMSTRONG, -	Massachusetts.	F. R. PIERSON, -	New York.
A. BRACKENRIDGE, -	Maryland.	R. MAITRE, -	Louisiana.
WALTER COLES, -	Delaware.	A. H. BUNDE, -	Minnesota.
J. D. CARMODY, -	Indiana.	GEO. P. LAMB, -	North Carolina.
A. DONAGHUE, -	Nebraska.	CARL JURGENS, -	Rhode Island.
PETER HENDERSON, -	New Jersey.	W. R. SMITH, -	District Columbia.
FRANCIS MORAT, -	Kentucky.	C. B. WHITNALL, -	Wisconsin.
C. A. REESER, -	Ohio.	O. F. DUE, -	Salt Lake City, Utah.
MARCUS ELLIS, -	New Hampshire.	J. C. VAUGHAN, -	Illinois.

Our First Meeting.—The first meeting will be held at Cincinnati, O., between the 12th and 25th of August, 1885. We can promise even at this early date a more numerous attendance than has ever been accorded to any similar organization.

Our plans are maturing for an exhibition, noble in its conception and differing in character from any before attempted. The interest already manifested by many of the members warrants the positive statement. A schedule of premiums with rules and regulations and a complete list of members to date will be ready early in January.

E. G. Hill, -	Richmond, Ind.	David Clark, -	Brdwy N. Y. City
Francis Morat, -	Louisville, Ky.	William J. Stewart, -	Boston, Mass.
Frederick Sulzer, -	Chicago, Ill.	Isaac Buchanan, -	N. Y. City.
Exeter Machine Works, -	Exeter, N. H.	H. J. DeVry, -	Chicago, Ill.
B. K. Bliss & Son, -	N. Y. City, N. Y.	John S. Forster, -	Evansville, Ind.
Wm. and Jas. Murdock, -	Pittsburgh, Pa.	C. F. W. Gentemann, -	Quincy, Ill.
Harry Sunderbruch, -	Cincinnati, O.	Gardner & Huntsman, -	Cincinnati, O.
William C. Wilson, -	Astoria, N. Y.	Walter Coles, -	Claymont, Del.
James Taplin, -	Maywood, N. J.	A. Brackenridge, -	Govanston, Md.
John May, -	Summit, N. J.	Reimers Bros., -	Louisville, Ky.
Antoine Wintzer, -	West Grove, Pa.	John G. Heinl, -	Terre Haute, Ind.
T. and R. Ferguson, -	Philadelphia, Pa.	C. L. Allen, -	Garden City, N. Y.
S. A. Nutt, Esq., -	New York City.	Robert H. Heath, -	Woodstock, Ont.
John Henderson, -	Flushing, N. Y.	A. Donaghue, -	Omaha, Neb.
Young and Elliot, -	N. Y. City.	B. A. Elliot, -	Pittsburgh, Pa.
William Hamilton, -	Allegheny City, Pa.	Alfred Ray, Esq., -	Montreal, Ont.
Charles Anderson, -	Flushing, L. I.	Frederick Hahrmann, -	Philadelphia, Pa.
A. LeMoult, -	N. Y. City.	Albert Fischer, -	Cincinnati, O.
F. E. McAllister, -	N. Y. City.	S. S. Jackson, -	Cincinnati, O.
Louis Seibrecht, -	Hinsdale, N. Y.	Charles F. Evans, -	Philadelphia, Pa.
August Rolker, -	N. Y. City.	A. Blanc, -	Philadelphia, Pa.
Ernest Asmus, -	W. Hoboken, N. J.	John Young, -	St. Louis, Mo.

REGULAR MEMBERSHIP LIST, \$2.00 EACH.

J. D. Treadway, -	Brandt, O.	Thomas Young, Jr., -	N. Y. City.
Frank Goode, -	Springfield, O.	Victor Dorval, -	Woodside, N. Y.
Paul F. Lau, -	River Park, Ill.	Joseph Towell, -	Paterson, N. J.
S. M. Tracy, -	Columbia, Mo.	George Welch, -	Madison, N. J.
John R. Henthall, -	Columbus, O.	William Bennett, -	Flatbush, N. Y.
Gustave Drobisch, -	Columbus, O.	Paul Butz, -	New Castle, Pa.
Charles Neuner, -	Louisville, Ky.	R. Maitre, -	New Orleans, La.
Edward Cornell, -	Indianapolis, Ind.	C. E. Allen, -	Brattleboro, Vt.
Charles Reiman, -	"	John Bader, -	Allegheny City, Pa.
Charles A. Getz, -	Cincinnati, O.	J. F. Gibbs, -	Perryville, Pa.
August Sunderbruch, -	"	Thos. Jackson, -	Cincinnati, O.
Mrs. Theo. Schuster, -	Brooklyn, N. Y.	William C. Nolan, -	"
David R. Woods, -	New Brighton, Pa.	Alfred Forster, -	"
Thomas Tait, -	Port Richmond, N. Y.	David Knott, -	"
W. F. Fancourt, -	Philadelphia, Pa.	Charles Hartwig, -	Chicago, Ill.
A. D. L. Farson, -	"	E. Wienhoeber, -	Chicago, Ill.
John Burton, -	"	N. Singler, -	Washington Heights, Ill.
Thorburn & Titus, -	N. Y. City.	Schiller and Kuske, -	Niles Center, Ill.
John Spalding, -	New London, Conn.	William Underwood, -	Ludlow, Ky.
Edward Eliot, -	Milwaukee, Wis.	John Fries, -	Newport, Ky.
Walter Gray, -	Cincinnati, Ohio.	Mrs. O. P. Fairchild, -	Covington, Ky.
Joseph Glenn & Sons, -	"	Wm. McKellar, -	Chillicothe, O.
Frederick Kolthoff, -	"	Corbett & Wilson, -	Cincinnati, Ohio.
F. Philip Hasp, -	"	John Fern, -	N. Y. City, N. Y.
J. N. Underwood, -	Cincinnati, Ohio.	Henry Seebright, -	New Rochell, N. Y.
W. T. League, -	Hannibal, Mo.	R. J. Donovan, -	Haveock, Ill.
Chas. Reissig, -	Chicago, Ill.	R. J. Purvis, -	Haveock, Ill.
August Dresel, -	Chicago, Ill.	E. Bonner, -	Xenia, Ohio.
Marcus Ellis, -	Keene, N. H.	E. W. Guy, -	Beleville, Ill.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS



THE BADGE OF
1885

Twenty-Fifth Annual Convention at Cincinnati, Ohio, August 17-20, 1909.



THE BADGE OF
1909

Officers For 1909.

PRESIDENT—J. A. Valentine, 1706 Broadway, Denver, Colo.

VICE-PRESIDENT—E. G. Gillett, 131 E. 3rd St., Cincinnati, Ohio.

SECRETARY—W. N. Rudd, Morgan Park, Ill.

TREASURER—H. B. Beatty, Farmers' Bank Bldg., Pittsburg, Pa.

Executive Board.

For One Year: Samuel Murray, J. K. M. L. Farquhar.

For Two Years: George Asmus, John Young.

For Three Years: W. J. Vesey, Eugene Dailedouze.

Ex-Officio: F. H. Traendly.

State Vice-Presidents.

Alabama — J. L. Parker, Birmingham.

California — Samuel Lundy, 1176 Washington St., Oakland.

Colorado — N. A. Benson, Denver.

Connecticut — Frank S. Platt, 376 State St., New Haven.

District of Columbia—Wm. H. Ernest, Washington.

Florida — E. N. Reasoner, Oneco.

Georgia — A. C. Oelschig, Savannah.

Illinois (North)—H. N. Bruns, 1409 W. Madison St., Chicago.

Illinois (South)—H. B. Dorner, Urbana.

Indiana—I. C. Bertermann, Indianapolis.

Iowa — Roy F. Wilcox, Council Bluffs.

Louisiana — Chas. Eble, 106 Baronne St., New Orleans.

Maine—Wm. Miller, Bar Harbor.

Maryland—R. A. Vincent, White Marsh.

Massachusetts (East)—F. E. Palmer, Brookline.

Massachusetts (West)—A. J. Lovell, Lenox.

Michigan (East)—A. Pochelon, Detroit.

Michigan (West)—H. Smith, Grand Rapids.

Minnesota—S. D. Dysinger, 20 W. 5th St., St. Paul.

Mississippi—S. W. Crowell, Rich.

Missouri (East)—F. H. Meinhardt, 7041 Florissant Av., St. Louis.

Missouri (West)—W. L. Rock, 1116 Walnut St., Kansas City.

Nebraska—Lewis Henderson, 1519 Farnum St., Omaha.

New Hampshire—H. C. Stache, Manchester.

New Jersey—Geo. A. Stroblein, Riverton.

New York (East)—H. A. Bunyard, 342 W. 14th St., New York.

New York (West)—Wm. L. Keller, Rochester.

North Carolina—W. Rehder, Wilmington.

Ohio (North)—E. B. George, Painesville.

Ohio (South)—C. E. Critchell, 36 E. 3rd St., Cincinnati.

Oklahoma—Geo. Stiles, 139 W. Main St., Oklahoma City.

Pennsylvania (West)—T. P. Langhans, 504 Liberty St., Pittsburg.

Pennsylvania (East)—E. A. Stroud, Philadelphia.

Rhode Island — Peter S. Byrnes, Wickford.

South Carolina — C. A. Moss, Spartanburg.

Tennessee — M. Stauch, Nashville.

Virginia — H. Brown, 5 W. Broad St., Richmond.

Wisconsin (East)—N. Zweifel, 14th and Groeling Av., Milwaukee.

Wisconsin (West)—C. E. Schaefer, La Crosse.

Botanist — Prof. John F. Cowell, Botanic Garden, Buffalo, N. Y.

Pathologist — Dr. B. M. Duggar, Ithaca, N. Y.

Entomologist—Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society—William F. Gude, Washington.

Superintendent of Exhibition—William F. Murphy, 311 Main St., Cincinnati, O.

Tariff and Legislative Committee.

Ben. F. Hammond, Fishkill, N. Y.



J. A. VALENTINE, PRESIDENT.



H. B. BEATTY
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Chairman; F. R. Pierson, Tarrytown, N. Y.; J. D. Eisele, Riverton, N. J.; Patrick Welch, Boston, Mass.; Patrick O'Mara, Jersey City, N. J.; E. A. Moseley, Washington, D. C.

Committee on Convention Sports.

E. F. Winterson, 45 Wabash Ave., Chicago, Chairman; C. E. Critchell; E. G. Gillett.

Advisory Committee for Trade Exhibition.

Albert McCullough, Cincinnati, Chairman; R. Witterstaetter; E. G. Gillett.

Committee on School Gardens.

E. V. Hallock, Queens, N. Y., Chairman; Patrick O'Mara, Jersey City, N. J.; F. R. Pierson, Tarrytown, N. Y.; Ben. Hammond, Fishkill, N. Y.; F. E. Palmer, Brookline, Mass.; J. F. Cowell, Buffalo, N. Y.

Committee on National Flower Show.

F. R. Pierson, Tarrytown, N. Y., Chairman; F. H. Traendly, New York, N. Y.; W. J. Stewart, Boston, Mass.; Robert Craig, Philadelphia, Pa.; J. K.

"Second Empire Express" at 12.40 p. m., Monday, August 16. Boston party will leave at 10 a. m., Monday, connecting with the New York train at Albany at 3.57 p. m. Parties from various cities en route will also join the New York contingent. Address: John Young, Secretary, 51 W. 28th St., for full particulars.

Chicago.

As recorded elsewhere in this paper, the Chicago delegation and all others desirous of joining them will leave Chicago at 2.30 p. m., August 16, via Monon R. R. (C. H. & D.) by special train. The party from Denver, including President Valentine, will accompany the Chicagoans. Address: P. J. Foley, 26th St. and Western Ave., Chairman of Transportation Committee, for full particulars.

Philadelphia.

The Philadelphia party will travel by the Pennsylvania Railroad, leaving Broad Street station at 12.31, noon, Monday, August 16. Due Cincinnati,

per day and up. European plan \$1.00 and up.

St. Nicholas, European plan, \$1.50 per day and up.

Palace Hotel, European plan, \$1.00 and up; American, \$2.00 to \$3.50.

The Emery, Honing, Lackman, and Gerdes are \$1.00 a day and upwards; the Rand and the Stag are 75 cents and upwards and the Bristol and Hotel Thoma, 50 cents and upwards, all on the European plan. The Munro is \$1.25 and upwards, European plan, and the Alms \$3.00 on the American plan.

DAILY PROGRAM.

Tuesday, August 17, 1909. First Day—Opening Session.

1.30 P. M. Organ Concert.

2.00 P. M. President Valentine's Address; Report of the Committee on President's Address; Discussion; Reports of Officers, Committees, Etc.; Miscellaneous Business; Judging of the Trade Exhibits.

First Day—Evening Session.

8.00 P. M. President's Reception.



F. H. TRAENDLY
Ex-President, Director Ex-officio

M. L. Farquhar, Boston, Mass.; Edwin Lonsdale, Philadelphia, Pa.

Past Presidents.

John Thorpe, 1884-1886; Robert Craig, 1887; E. G. Hill, 1888; J. N. May, 1889; *J. M. Jordan, 1890; M. H. Norton, 1891; James Dean, 1892; William R. Smith, 1893; *J. T. Anthony, 1894; Edwin Lonsdale, 1895; *William Scott, 1896; Adam Graham, 1897; W. F. Gude, 1898; W. N. Rudd, 1899; *E. M. Wood, 1900; Patrick O'Mara, 1901; John Burton, 1902-1903; Philip Breitmeyer, 1904; J. C. Vaughan, 1905; Wm. F. Kasting, 1906; Wm. J. Stewart, 1907; F. H. Traendly, 1908.

*Deceased.

TRANSPORTATION.

As previously announced, there are no special convention rates over any line from any point.

New York.

The convention party will travel by N. Y. Central R. R., leaving Grand Central Station on second section of



JOHN THORPE
First President of the S. A. F.

5.15 a. m., Tuesday. Consult John Westcott, Ridge and Lehigh Aves.

St. Louis.

The St. Louis Florist Club has arranged to travel via the "Big Four" route, leaving St. Louis 9.30 p. m., August 16, and due in Cincinnati, 7.35 a. m., August 17. Address: Wm. C. Smith, 1316 Pine St., St. Louis.

Washington.

The plan as announced "subject to change" is to take the Baltimore & Ohio R. R. at 11 p. m., Sunday, August 15. Address: W. F. Gude, 1214 F St., N. W.

Hotels in Cincinnati Recommended by The Cincinnati Florists' Society.

The Sinton, European plan, \$1.50 per day and up.

The Grand, European plan, \$1.00 per day up. American plan, \$2.00 to \$3.00.

Gibson House, European plan, \$1.50 per day up.

The Haylin, European plan, \$1.50 per day and up.

Burnet House, American plan, \$2.50



E. F. WINTERSON
Chairman Sports Committee

President Valentine hopes to meet as many as can attend and wishes it distinctly understood that formal dress is not expected, but that the most comfortable costume will be the most appropriate.

Wednesday, August 18, 1909. Second Day—Morning Session.

9.00 A. M. Organ Concert.

9.30 A. M. Illustrated Lecture, "The Value of the Recent Work in Heredity to the Practical Flower Breeder." By Jesse B. Norton, Washington, D. C.; Discussion; Question Box.

11.00 A. M. Selection of Next Meeting Place. Polls Open One Hour; Nomination of Officers for 1910; Reports of Judges of Trade Exhibits; Annual Meeting of Ladies' Society of American Florists.

Second Day—Afternoon Session.

2.00 P. M. Organ Concert.

2.30 P. M. "The National Flower Show—Past and Prospective" and Special Matters.

Second Day—Evening Session.

8.00 P. M. Illustrated Lecture—Color Photography. J. Horace McFarland, Harrisburg, Pa.

Thursday, August 19, 1909. Third Day Morning Session.

9.00 A. M. Organ Concert.

9.30 A. M. Address—"Some Work of the U. S. Department of Agriculture as Affecting Floriculture." By B. T. Galloway, Washington, D. C.; Discussion.

10.30 A. M. Election of Officers. Polls will remain open two hours.

Amendment to By-Laws.

The following amendment having been submitted to the Executive Board and accepted by them, will be voted upon at this time:

Amending Article 4, Section 2, as amended previously at Niagara Falls in 1908, by striking out the figures \$25.00 in said article as above amended, and inserting in place thereof the figures \$50.00, meaning and intending to advance the fee for Life Membership



WILLIAM MURPHY
Supt. Trade Exhibition

from \$25.00 as now obtaining to \$50.00. The Question Box.

Third Day—Afternoon—No Session—Bowling Contest and Other Sports.

2.00 P. M. Meeting of the American Carnation Society.

2.45 P. M. Meeting of the American Rose Society.

3.30 P. M. Meeting of the National Sweet Pea Society.

4.30 P. M. Meeting of the Florists' Hail Association.

Third Day—Evening Session.

7.30 P. M. Organ Concert.

8.00 P. M. Paper—"The First Meeting of the Society." By the First Secretary, E. G. Hill; Address—"What the Society has Accomplished in Twenty-five Years." By J. C. Vaughan; Addresses by Past Presidents.

Friday, August 20, 1909.

On Friday the convention visitors will be the guests of the Cincinnati Florists' Society, on a boat ride on the "Island Queen," a five-deck steamer, which has been chartered to take the

convention to Coney Island, on the Ohio River, where an old-fashioned Kentucky barbecue is on the program.

MR. RUDD'S VIEWS APPROVED.
Editor HORTICULTURE:—

I should like to be placed on record as most sincerely and emphatically endorsing the sentiment and much of the substance of Mr. Rudd's statement concerning the secretaryship of the S. A. F. and O. H., published in the last issue of the various trade papers.

I also desire to express my appreciation of Mr. Rudd's high sense of public duty, and sincerely hope that all members who may be present at the coming convention may be imbued with an equally high sense of that duty, and when the time comes for making a choice of the men for the various offices, all will sink personal and selfish desires and consider the welfare of the society only.

Does not Mr. Rudd's statement, "the right man can do \$1500.00 worth of work and then feel dissatisfied with himself that he has been unable to take up many things that would un-



BENJ. HAMMOND
Chairman Tariff and Legislative Committee

doubtedly in the future advance the Society's interest and increase its membership," raise a question as to the wisdom of the Society paying \$1000.00 only? If, as Mr. Rudd states, "no man engaged in active business, either as proprietor or employee, can take up this work and carry it out so that the Society may achieve the success which is within its grasp, unless he grossly neglects his own business" the only logical inference is that a man must give practically his entire time to the work. How can a man with the required energy, intelligence and ability afford to give his entire time to the work for the sum paid? I think that this is a phase of the subject that the Society will do well to consider. I. L. POWELL.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The Ladies' S. A. F. will give a reception Wednesday evening, Aug. 18, from 9.30 to 11.30, at the Sinton Hotel. Refreshments will be served.

MRS. J. C. VAUGHAN, Pres.

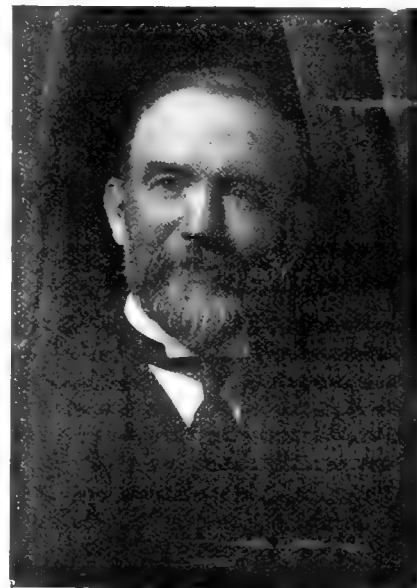
MRS. CHAS. H. MAYNARD, Sec.

ROCHESTER'S AMBITION.

Rochester, N. Y. is out after the 1910 Convention of the Society of American Florists and Ornamental Horticulturists. Buttons bearing the legend "I will meet you in Rochester the 'Flower City' in 1910," are being distributed and a live delegation from Rochester promises to be on the ground during the Cincinnati Convention as a clincher. Rochester has a combined convention and exhibition hall approximating 48,000 square feet of floor space. Of this space 14,000 feet is for the general assembly and 34,000 feet for such display of wares as delegates to conventions may deem fit to make. In the circulars sent out by the Rochester Chamber of Commerce these immense halls are offered free to all visiting conventions, heat and light included.

CHICAGO FLORISTS' CLUB.

The meeting of the Chicago Florists' Club on Thursday, August 5, was mainly for the perfecting of plans for the Cincinnati Convention. A committee



F. R. PIERSON
Tariff and Legislative Committee

of twelve, with Ed. Winterson as chairman, was appointed to arrange for decorating the special car and there will be no question as to its destination or what business the occupants represent when it leaves here August 16 at 2.30 p. m., from the Polk Street station. The smaller cities and towns will hear the salute of a calliope and will see a train bearing many banners with strange devices. The interior will be profusely decorated with flowers and the hours will be enlivened with a German band whose entertainment will leave no time for thoughts to stray back to the business left behind. (See announcement under "During Recess.") The Denver delegation are expected at 7 a. m., and will be entertained at breakfast by the Chicago club. Trips to various parts of the city will be made with those visitors who are so inclined.

Among the Washingtonians who will attend the convention are Theo. Dietrich, Geo. Shaffer and wife, Wm. F. Gude, wife and party, Robert McClellan, Wm. H. Ernest and Geo. Cooke.

CINCINNATI

Cincinnati is a noble city with a fame that is world-wide and a record of which her people are justly proud. To us, for present purposes, however, that event in her history which gives her especial distinction is the fact that the first S. A. F. Convention and the

made a record for efficiency and comradeship which after the lapse of so many years still stands undimmed in the memory of everyone now living who had the honor of being present on that occasion.

But few of the men who were active in the detail work of that first convention are now on the scene, but the same spirit that animated them still pervades the busy floral community of which Cincinnati is the Hub, and the visitors will meet with the same hearty welcome that the pioneers were given on that memorable occasion when the banner of the S. A. F. first waved. The same big commodious building which received us then will receive us now, and no doubt those of us who were in attendance at that first event will find much still remaining to remind us fondly of scenes and incidents connected with that auspicious occasion. It is our pleasure to present herewith a few views of notable spots in Cincinnati, our only regret being that we have not room for many more, equally attractive and significant of the growth and affluence of the Convention City. We also present the portraits of some of the men who, in association with the official representatives of the Society of American Florists and Ornamental Horticulturists, have been working hard to make this "Silver Jubilee" a success and who will be found still "on the job" when the visitors get there. They represent the best blood of the pro-

fession in their territory—the men who are awake to the welfare of their business in its broader aspects and not reluctant to contribute liberally of their own time, effort and means that their fellows may be happy and their business interests benefited in common. From what we already know in ad-



J. A. PETERSON

President Cincinnati Florists' Society

one which set the pace for all S. A. F. Conventions since, was held within her gates and under the auspices of her florists who, although unorganized and unfamiliar with the details of such undertakings as we now understand them,



C. E. CRITCHELL

Vice-President Cincinnati Florists' Society

vance of what is to be done and provided we are sure that we need not hesitate to felicitate them here, one and all, and congratulate the horticultural fraternity of Cincinnati on the good judgment displayed in their selection.



CITY HALL, CINCINNATI, OHIO



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Member Souvenir Committee



R. WITTERSTAETTER
Chairman Finance Committee

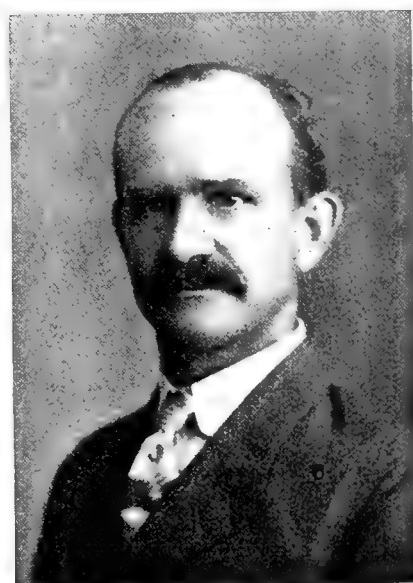


GEO. S. BARTLETT
Member Souvenir Committee



HENRY SCHWARZ
Secretary Finance Committee

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CINCINNATI
FLORISTS'
SOCIETY



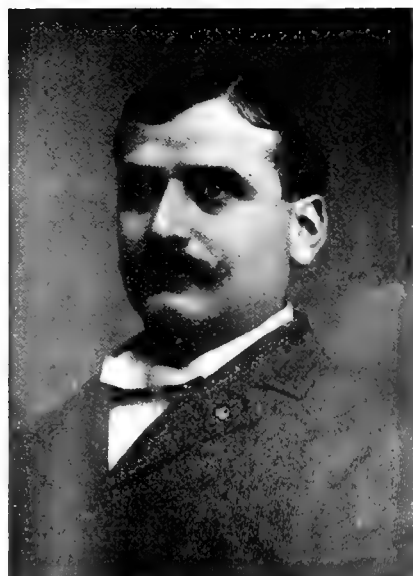
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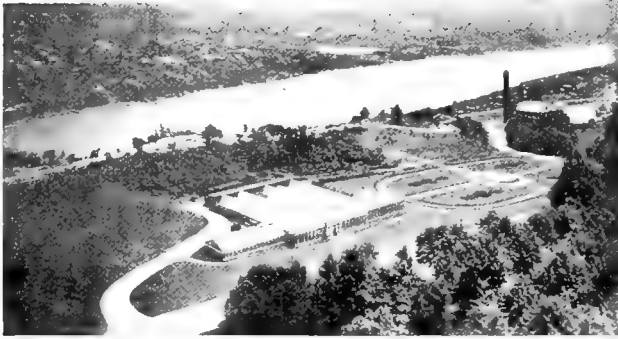


J. CHAS. MC UULOUGH
Presidents' Reception Committee



E. FORDER
Treasurer Finance Committee

GLIMPSES OF CINCINNATI



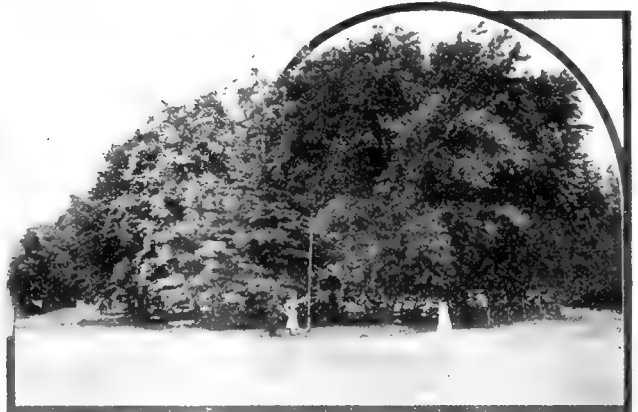
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CONCERT IN BURNET WOODS



FOURTH STREET, LOOKING WEST



CHILDREN'S FARM GARDEN

SOUTHAMPTON HORTICULTURAL SOCIETY.

The third annual exhibition of the Southampton Horticultural Society was held in a large tent on the fine grounds of the Art Museum, Southampton, N. Y., Wednesday and Thursday, July 28th and 29th. All conditions were fine; the weather could not have been better, and in spite of the cold wet late spring the exhibit of flowers and vegetables far exceeded all expectations—annuals being at their height. The tables of cut-flowers arranged for display attracted much attention, as many were unaware that such a vast variety of annuals were produced in Southampton. Though a little early for dahlias and gladioli every class was filled and the flowers were the pink of perfection. Plants raised under glass were present in large numbers, all spick and span for exhibition effect. The tables allotted for vegetable display were filled with the bright smooth, tempting products such as are only produced to such perfection in the sandy loam of Long Island.

One of the leading features was the arrangement of lunch and dinner tables with their artistic floral display. The cottage element take an active interest in these lunch tables as also in the baskets arranged for effect, being the exhibition of the ladies' own handiwork, while the dinner table class, which was open for both days, was entered into by anyone who so desired. The competition was strong, the displays beautiful, and the interest intense.

The judges of the general exhibits were John Wallace of Sag Harbor, Charles Dumper of Bay Shore, and Louis Vetault of Easthampton. The judges of the lunch and dinner tables and baskets were chosen from among the ladies of the cottage contingent. A vase competition on the grounds of the Art Museum had ten entries in two classes comprehending large and small vases, the judges of which were Messrs. Wm. F. Halsey, Benj. C. Palmer and Walter L. Jagger.

The lunch tables which were exhibited only on the first day received awards as follows: 1st prize—Mrs. H. K. Porter, antique table set with pewterware and Italian glasses, decorated with dark dahlias and grapes; 2nd—Mrs. Grange Lord, mahogany table, light green china, sweet peas and green foliage; 3rd—Miss Edith Newbold, mahogany table, blue and white china, deep blue Centaurea cyanus and light green grapes.

In the dinner table class, on the first day the first prize was awarded to Mrs. B. Aymer Sands, pink and yellow Phlox Drummondii, Aralia pentaphylla foliage, silver candlesticks and pink shades; 2nd—Mrs. Horace Russell, double pink hollyhocks and pink roses, glass candlesticks with white and silver shades; 3rd—Mrs. C. Van R. Robb, Dark red and white Phlox Drummondii, silver candlesticks and white shades.

On the second day, 1st prize went to Mrs. Horace Russell, pink sweet peas and Asparagus Sprengeri, glass candlesticks, pink and silver shades; 2nd—Mrs. R. M. Thompson, Rudbeckia Golden Glow; 3rd—Mrs. P. B. Wyckoff, yellow Antirrhinum, glass candlesticks, daisy shades.

In the Vase competition, large size,

the prizes were awarded as follows: 1st, Julius W. King; 2nd, Owen G. Owen; 3rd, H. W. Clark. Small size—1st, Martin McLaughlin; 2nd, U. G. Agar; 3rd, Thos. Smith.

A silver medal contributed by W. W. Rawson & Co. to be awarded to the exhibitor receiving highest number of points went to Frank H. Smith, gardener to the Meadow Club. The prize for the most meritorious exhibit was captured by a fine specimen cycas, entered by U. G. Agar, gardener to Mr. Wm. Manice.

The displays of dahlias were awarded as follows: 1st, to Mr. Edward H. Wales, gardener Julius W. King; 2nd, Mr. B. Aymer Sands, gardener Benj. C. Palmer; each of whom entered in many other classes. King getting second in a fine display of gloxinias and Palmer first in a display of antirrhinum, also both getting first and second in other displays of dahlias according to their class. Mrs. R. M. Thompson, gardener Owen G. Owen, took first in the gloxinia exhibit and perennial flowers, 12 varieties.

The following gardens were the leading contributors to the exhibit: Mr. J. L. Breese, gardener H. W. Clark, received first on fibrous begonia, Nephrolepis, table foliage plants and specimen bay tree; Mr. Edward H. Wales, gardener Julius W. King, first on display of annuals Phlox Drummondii, geraniums, and Celosia plumosa; Mrs. E. W. Humphreys, gardener Martin McLaughlin, specimen hydrangea, pair of conifers; Mrs. R. M. Thompson, first on salvia, mignonne, browallia in pots, and perennial cut-flowers; Mrs. P. B. Wyckoff, gardener John M. Renne, first on Hydrangea hortensis and tuberous begonia; B. Aymer Sands, first on antirrhinums, gladioli, stocks, scabiosa, and centaurea; Wm. Manice, first on roses, dianthus, carnations, pompon dahlias, tuberous begonias, cycas, dracenas, Begonia Rex, Adiantum Farleyense, palms, ferns, ficus and foliage plants; The Meadow Club, gardener Frank H. Smith, first on pansies, asters, sweet peas, dahlias, Iris Kaempferi, phloxes and a variety of garden annuals.

A very interesting and attractive exhibit of aquatics, nelumbiums in pink, white and yellow, nymphaeas in blue, yellow, red, pink, white and other shades, with other water plants were shown, in charge of John S. Hay from the Henry A. Dreer establishment of Philadelphia. Mr. Hendrickson, from the J. L. Childs' Nursery, was also present with a fine display of gladioli and yellow callas.

Many other entries and prizes were made and taken by the above gardeners, as also by many others who made but a few entries, the whole contributing to form in the flower and vegetable exhibit one of the most attractive features of the place this season. A most valuable aid and enthusiastic member of the advisory committee was Mr. Samuel L. Parrish, one of the cottage colony and the owner of the beautiful grounds on which the show has been held for two seasons.

B. C. PALMER, Secretary.

The Rochester, N. Y., florists are planning for a picnic about the end of this month, but the hot weather prevents anybody getting unduly excited about it.

Ellwanger & Barry's Peonies Phloxes Irises

Are Unsurpassed in Variety and Quality

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Cocos, Phoenix, Araucarias,
Rubbers, Crotons, Pandanus,
Asparagus, Ferns for Dishes.**

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New Hardy Yellow Border Carnation "Comtesse Knuth"

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LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

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GERMAN AND JAPAN IRIS, DELPHINIUM FORMOSUM

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E. S. MILLER Wading River L. I., N. Y.

Begonia Gloire de Lorraine

Leaf Stock, June Delivery, \$15 per 100, \$145 per 1000, from 2 1/2 in pots

Stock guaranteed to be absolutely free from disease.

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GERANIUMS

A Customer wrote this week, when ordering 150 Jean Oberlee Geraniums to be shipped at the Special Price of \$3.00 per 100, prepaid: "In this connection we wish to state that the Geraniums we bought of you last October gave the utmost satisfaction to our Customers and incidentally to our Pocket Book. We will need to double our order next season. Kindly send us Special Prices for fall delivery."

Not a bad letter was it? And don't you know such a letter means something to you as well as to us? Get your Geraniums from selected stock, and you will please your Customers; ours represents the highest type of Perfection.

On some kinds we are still making special prices for orders booked now for November and December delivery.

Special Offer for immediate shipment, 1000 in 20 Varieties from 2 in. pots, \$18.50; from 3 in. pots, \$25.00. Cash with order.

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Lorraine Begonias

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6000 Lorraine Begonias, 2 inch Stock, Strong, Healthy Plants, Full of Shoots,

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Jardiniere Ferns in all leading varieties, transplanted in flats.

\$1.00 per 100; \$7.50 per 1000.
2 1/2 inch Pots - \$3.50 per 100; \$30.00 per 1000.

Larger sizes, all varieties, at special prices on application

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Choice stock ready to plant in the benches:

Killarney, 4-inch per 100	\$12.00
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We have some fine specimens of Abies concolor, Picea pungens, and Pinus Strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always advisable. Boston and Worcester Electricians pass our grounds.

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Seed Trade

Crop Failures Sometimes a Blessing.

There is little to chronicle at this time of year, for while crops are steadily progressing towards maturity, seedsmen as a rule are off on their vacation, strengthening body and mind for the struggle of the next ten or eleven months. Short crop years are usually harbingers of the season to follow for most of the seedsmen, and while they are a temporary disappointment to the grower, they are best for him in the long run. Of course crop failures, or largely such, are not considered in this connection, for when goods reach famine prices or disappear from the market it is not profitable for either grower or dealer, but a moderate shortage of staple goods greatly strengthens prices, and increases demand, with the result that stocks are well cleaned up at the end of the season, and the growers' orders for the ensuing year are much larger than when the dealer carries over any considerable surpluses. This generally insures fresh stocks, which inures to the benefit of the planter and seedsmen. As a rule when the grower delivers 100 per cent, he has a surplus left, which he foolishly peddles out at prices more or less below his contracting figures, the result being that he has to accept lower prices the coming year and gets smaller orders. This feature of the seed business has been commented on in previous issues of HORTICULTURE, for it is almost the keystone in the arch of success, and will bear off repeating. No one factor is more demoralizing than large surpluses in the hands of either growers or dealers.

Avoid Surpluses.

The practice of many growers, of planting for a surplus on speculation, hoping to have something to sell in case of a shortage in the commodities they produce, has generally proven an illusion and has well-nigh wrecked more than one. A surplus *per se*, may not prove an evil if it is not thrown on the market at reduced prices, but not one grower in a hundred will so treat it, and herein lies the source of trouble. It is gratifying to note, barring one or two notorious plungers, that this evil is not nearly as prevalent as it was a few years ago, whatever the causes may be, which will not be discussed at this time, and it is hoped that the lessons which many growers have had, will be lasting. Avoid surpluses, and you generally escape stagnant or falling markets. It is realized, of course, that an occasional surplus is unavoidable, but unless deliberately planned it is seldom formidable, and usually absorbed the ensuing year.

The Vegetable Crop.

Reports indicate a light potato crop, and strong prices the coming winter and spring. Apples will be a light crop with resulting high prices. Tomatoes will not be a large crop the country over, and the last rain came just in time to save them, as the vines in many sections were dying for lack of moisture. Almost all vegetable crops are unsatisfactory, and unless consumption is greatly curtailed, prices should rule

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SEND CONTRACT ORDERS AT ONCE FOR 1910 — Don't Delay. — **DO IT NOW.**

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WHITE CRYSTAL WAX: **EARLIEST OF ALL** White Bermuda: White and Red.

FEDERICO C. VARELA
TENERIFFE (CANARY ISLANDS) EXPERT ONION SEED GROWER AND EXPORTER

fairly high. One of the important vegetable crops, cabbage, has suffered greatly from drought, and as an indication of the trend of prices, it may be stated that kraut manufacturers have refused to book any more orders for this year's crop, excepting at advances of 50 to 100 per cent over their prices of last spring, and are not at all eager at that.

The pea pack is practically finished, and the result is about as estimated in recent issues of HORTICULTURE—namely, 60 to 65 per cent on the acreage, which is slightly below that of last year. While a few packers are greatly disappointed, most of them accept the situation philosophically, knowing that the short crop will prove the salvation of the industry, and probably raise it out of its present depression.

The Cannery's Interests.

While the next Cannery's Convention is yet many moons distant, it may be interesting to repeat that it has been officially decided to hold it at Atlantic City, The Rudolph being again headquarters. Secy. Gonell of the National Association has recently been there arranging about rates and such other concessions as he can secure, and the result will soon be made public. Let it be remembered that unless the Machinery and Supplies Association completely reverses itself, there will be no exhibits. Considerable pressure is being placed on the officers in an effort to bring about this result, but as the "no exhibit" plan was adopted by an overwhelming majority of the association, the officers are not likely to negative this decision unless requested to do so by an equally large majority. Most officers understand that they are the servants of their associations and not their rulers. A few prompted by selfish and ambitious motives, endeavor to use their associations to promote their personal interests, or a few, forming a little oligarchy, seek the control for their own ends. But disruption is the inevitable end of every such organization, unless it frees itself and overthrows the little selfish clique seeking to control it. This fate has overtaken some cannery's organizations.

Crop Conditions.

Some recent advices indicate that the sugar corn crop in the west is not holding the promising condition it exhibited in June and early July, and while there is probably no cause for great anxiety, it is worth noting. No material changes are reported in condition of other seed crops.

Harvesting of peas has commenced,

Extra Earlies and Alaska being ready for the reapers, and we should soon get some information as to yield. Let us hope for a dry harvest, as we can't afford to lose any of an already short crop. A fine rain now before pea harvesting becomes general would not damage peas to any extent, and would do beans immense good.

Notes.

Randolph, Wis.—L. C. Jung has been admitted to partnership with his brother and the firm name will be J. W. Jung Seed Co.

The T. Lee Adams Seed Co. of Kansas City, Mo., was incorporated with capital stock of \$15,000, and not \$10,000 as stated by us last week.

Routzahn Seed Co. of Arroyo Grande, Cal., who have 350 acres devoted to sweet peas and flower seeds, report crop conditions as they enter into harvest as unusually good, particularly on sweet peas.

GIANT PANSY SEED

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Mixture, extra fine, of heavy texture, **Giant Five Blotched** and the **Hybrid Giant**. The proportion of light and dark is well blended for Commercial or for Private purpose.

1-16 oz.	¼ oz.	1 oz.
25c	\$1.00	\$4.00

Send for detail list of Eight Strains of the **Giant Five Blotched**, each strain 30 varieties and the **Hybrid Giants** in Separate Colors.

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MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

CABBAGE. Succession, Flat Dutch and Savoy' \$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self Blanching. \$1.00 per 1000. \$8.50 per 10,000.

PARSLEY. 25 cts. per 100. \$1.25 per 1000. CASH WITH ORDER

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in the horticultural universe next winter because of the high qualities of your lilies and other bulb products and

If you want the Choicest Florists' Flower and Market Garden Seeds that can be produced

Then favor us with a request for quotations on material needed if you have not already done so. As to the kind of stock we supply ask any one who has ever bought from us.

Hope to meet you at Cincinnati.

Rickards Bros., 37 E. 19th St., New York
BRIDGEMAN'S SEED WAREHOUSE

Everything "For the Land's Sake."

The one firm in Boston where all good forms of plant food may be obtained, is the Bowker Fertilizer Company, opposite Faneuil Hall at 43 Chatham St. All greenhouse chemicals, Nitrate of Soda, Ground Bone, Potash Salts, Sheep Manure and Wood Ashes can there be had at first hands.

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Everything "For the Land's Sake."

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The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed; 1000, 25c; 2000, 40c; 6000, \$1; ¼ oz., \$1.40; ½ oz., \$2.50; oz., \$5.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain, I will send 1000 of Rainbow free; and with other amounts in like proportion.

CHAS. FROST
Kenilworth
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LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS
BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS
ONION SETS FLOWER SEEDS **Get Our Prices** 79 and 81 E. KINZIE STREET, **CHICAGO**

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WHOLESALE SEED GROWERS
Onion, Lettuce, Sweet Peas and other California Specialties

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LILIUM HARRISII

True stock from most reliable growers

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J. M. THORBURN & CO.
33 Barclay Street
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ORDER NOW
French and Dutch Bulbs
FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

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HORTICULTURE.]

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Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.

Price Lists Free Quality Finest Wholesale and Retail

NEW PRICE LIST
of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

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Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

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FRENCH AND DUTCH BULBS
Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

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Ward's Lily Bulbs

Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York



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Cor. Miami and Gratiot Aves.
DETROIT, MICH.

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High Grade Cut Blooms**

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sections of Ohio, Indiana and Canada.

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We ship to all points in Illinois and Iowa.

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Out of Town orders for Hospitals
Carefully filled.

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AUDITORIUM ANNEX Tel. Harrison 585

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1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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The Park Floral Co.

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Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

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TAKE CARE OF OCEAN STEAMERS



Can Deliver to
LAKE STEAMERS
NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N.Y.

PERSONAL AND NEWS NOTES.

W. F. Regan, florist of Lawrence, Mass., is able to be out after his recent illness.

Visitors in Boston: A. J. Guttman, New York; Chas. W. Knight, Glen Cove, N. Y.; Phil F. Kessler, New York.

Andrew Lawritzen, a florist of St. Paul, Minn., was severely bruised in a runaway accident on the morning of August 3.

Edward Arnold, formerly in the florist business in Wollaston, Mass., has taken a position as head gardener on the Col. Bentley estate, Belmont.

Charles Pflohm of Bridgeport, Conn., had the decorations of the Rohde residence for the lawn fete given on August 4 by the Masonic Building Association.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Aug. 20

American.

New York, N. Y.-S'ampton...Aug. 21

St. Louis, N. Y.-S'ampton...Aug. 28

Atlantic Transport.

Minnetonka, N. Y.-London...Aug. 21

Minnehaha, N. Y.-London...Aug. 28

Cunard.

Lusitania, N. Y.-Liverpool...Aug. 18

Ivernia, Boston-Liverpool...Aug. 24

Mauretania, N. Y.-Liverpool...Aug. 25

French Line.

La Bretagne, N. Y.-Havre...Aug. 19

La Savoie, N. Y.-Havre...Aug. 26

Hamburg-American.

Pres. Lincoln, N. Y.-H'burg...Aug. 18

Cincinnati, N. Y.-Hamburg...Aug. 21

Holland-America.

Ryndam, N. Y.-Rotterdam...Aug. 17

Leyland Line.

Canadian, Boston-Liverpool...Sept. 1

North German Lloyd.

Pr. Fr. Wilhelm, N. Y.-B'm'n...Aug. 17

K. Wm. der G., N. Y.-B'm'n...Aug. 24

White Star.

Adriatic, N. Y.-S'ampton...Aug. 18

Arabic, N. Y.-Liverpool...Aug. 21

Canada, Montreal-Liverpool...Aug. 21

BUSINESS CHANGES.

Claverack, N. Y.—Peter W. Ham has moved his violet house here from Hudson.

Peterboro, Ont.—Frank Mason is offering his greenhouses for sale, and will start in business in Vancouver, B. C.

Amsterdam, N. Y.—J. C. Hatcher has bought the equipment of the Starin greenhouses at Fultonville and will move them to his place here.

Grand Rapids, Mich.—Peter Kunst has retired from business and leased his place to his sons, who will adopt the name of the Crescent Avenue Floral Co.

Newport, R. I.—Social entertainments here are now keeping florists very busy. The largest function of this kind this season was a dinner dance given by Pembroke Jones at his Bellevue avenue house, August 7. The floral decorations were most elaborate and included the use of about five thousand pink hydrangea blooms, which were very tastefully arranged by Oscar Schultz, the florist.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to
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42 West 28 St., NEW YORK

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ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

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**Choice Flowers and
Floral Emblems**
FILLED PROMPTLY

Orders by Wire Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from



MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

News of the Week.

The picnic of the Florists' Club is reported as being a success financially to the extent of \$60.

Phil. Foley, chairman of the transportation committee, says from the answers to the cards sent out it would be easier to say who are not going to the convention than who are going.

The latest prizes reported by Ed. Winterson, chairman of the sports committee, are a silver cup valued at \$25 by W. W. Barnard Co. of Chicago, \$10 by H. A. Bunyard of New York, and several prizes by Wieter Bros.

Following the example of the Tribune's Garden Contest last year, the South End Woman's Club has inaugurated a contest open to the residents of South Chicago. The contests will be decided in September and prizes will be donated by Alderman and Mrs. J. Jones, Mrs. Wm. Gillies, Mrs. Ed. L. Bishop, Mrs. J. C. Vaughan and Congressman James R. Mann.

Chicago has a plan on foot for utilizing 30 acres of land just outside the limits on the southwest and known as the Gage Farm, as a nursery for growing trees to be used in the city streets and parks. The Gage Farm belongs to the city and if this plan is carried out it would be put in the hands of the City Forestry Association. The place is a very valuable one and at present is rented for only a fraction of the yearly taxes.

The City Gardeners' Association held their meeting, Saturday, August 8th, in the partly completed bungalow which is being erected for their use on a tract of land east of Marshall Boulevard and south of the Bridewell bridge. About 75 gathered to get advice from Mrs. Laura D. Pelham, president of the Association. The land comprises 160 acres, the use of which was donated by the McCormick Reaper Co. It is divided into small farms, 160x50 ft. in size, which are rented at \$1.50 for the season. All plots have been rented and most are flourishing.

Personal.

Miss Nelda Wolf of Budlong's, is visiting Denver and other Colorado points.

John Zeck will leave for Cincinnati on the 18th in time for the bowling contest.

The Misses Schiller of "Schiller the Florist," have returned from an outing in Michigan.

Joe Curran has severed his connection with the Leopold Koropp Co. on Evanston avenue.

Miss Hertha Tonner has returned from a lake trip, which included stopovers at several Wisconsin cities.

Mr. and Mrs. J. Simpson are on an eastern trip. They will spend some time near Lake Champlain, at Mr. Simpson's boyhood home.

Visitors: "Billy" Graff, of Columbus, Ohio; Mr. Powell, Goshen, Ind.; C. C. Wonneman, Mexico, Mo.; H. E. Philpott, Winnipeg, Man., Can.

Miss E. M. Schneider of the E. M. Schneider Co., has been to Seattle, Wash., and registered for three land openings. Chicago women are not lacking in enterprise!

Wm. J. Smyth is still unable to

leave the hospital where he has spent most of the summer, owing to a lamentable automobile accident recorded at the time in HORTICULTURE.

ST. LOUIS NOTES.

Messrs. Smith, Angermuller, Schoenle and Borg were on a day's fishing trip last week with good results.

Oscar Hurttemann, manager for The Tower Floral Co., has returned from his vacation, which he spent up north.

The Bentzen Floral Co. are this week moving into their new store, built especially for them at Grand and Herbert streets.

Miss M. S. Newman, together with Miss Armstrong, is enjoying the cool breezes at Green Mountain, Colo. They are expected home September 1.

Shaw's Garden has quite an attraction this week—a very large fruiting tree of the Screw Pine of the Pacific Islands. The mention of it in the daily papers brought out a good attendance.

John B. Barnard has resigned his position with the W. C. Smith Wholesale Floral Co., and started with his wife for Denver, Colo., August 9th. The change of climate was for the benefit of Mrs. Barnard's health.

John L. Duffy, for many years chief engineer of the park department, has resigned his position. Mr. Duffy has accepted a position as chief engineer for the Board of Education. Mr. Duffy has a host of friends among the local florists.

INDIANAPOLIS PERSONALS.

Carl Sonnenschmidt sails this week for a three months' trip abroad.

Walter Bertermann is spending his annual vacation at Atlantic City.

Homer Wiegand has left on a three weeks' auto trip through Indiana and Ohio.

Adolph Baur, of Baur & Smith, left with his family for the northern lakes for six weeks.

Anthony Wiegand and wife will sail for home Sept. 15 after three and one-half months' travel abroad.

NEWS NOTES.

Medicine Hat, Can.—The greenhouse property of the Rosery Flower & Seed Co., at the southwest corner of City park, has been placed in the hands of a receiver.

Meriden, Conn.—The Blatchley Co. are planning extensive changes and improvements in their store and nurseries.

Wheaton, Ill.—On the night of July 28 one of the buildings at E. T. Wauzer's place was burned, and but for the heroic work of the men and their ingenuity in using the equipment on the grounds all the buildings would have been destroyed. Mr. Wauzer was with his family at Pentwater, Mich.

Los Angeles, Cal.—The horticultural commissioners are preparing to enter suits against several property owners for the collection of bills incurred in fumigating trees and shrubs to destroy scale pests. The law provides that the property on which such work is done shall become security for the cost of fumigation.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

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Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 233 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Whitbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkln, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

George Hodgdon has opened a new retail flower store at Boothbay, Me.

N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

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WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

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Hudson
Terminal Bldg.

New York = N. Y.

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Retail Florists**

IF YOU

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want a regular or special supply of the product of the best growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

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Daily Supplies of the best
the Season affords.

W. E. McKISSICK & BROS., Wholesale
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1619-1621 Ranstead St., Philadelphia



CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 10		Aug. 9		Aug. 9		Aug. 12	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	17.50	to 20.00	20.00	to 25.00
" Extra	15.00	to 20.00	15.00	to 20.00	.....	to 12.50	18.00	to 15.00
" No. 1	12.00	to 15.00	12.00	to 15.00	8.00	to 10.00	4.00	to 8.00
" Lower grades	5.00	to 10.00	5.00	to 10.00	.....	to 8.00	2.00	to 3.00
White, 'Maid, Chateaux, F. & S.	4.00	to 6.00	4.00	to 6.00	3.00	to 5.00	3.00	to 6.00
" Lower grades	2.00	to 4.00	2.00	to 4.00	.....	to 3.00	.25	to 1.00
Killarney, Fan, & Sp.	4.00	to 6.00	4.00	to 7.00	3.00	to 6.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	2.00	to 4.00	.....	to 3.00	.25	to 1.00
Richmond, Fancy & Special	6.00	to 8.00	5.00	to 8.00	3.00	to 5.00	4.00	to 6.00
" Lower grades	5.00	to 6.00	3.00	to 5.00	.....	to 3.00	.25	to 1.00
My Maryland, Kaiserin .....	.....	to .....	.....	to	3.00	to 8.00	.50	to 8.00
CARNATIONS								
	1.00	to 2.00	1.00	to 2.50	1.50	to 2.00	.50	to 1.00
MISCELLANEOUS								
Gladioli .....	.....	to	3.00	to 5.00	2.00	to 5.00	2.00	to 6.00
Asters .....	.75	to 1.50	1.00	to 2.00	.50	to 2.00	.15	to .75
Castroville	15.00	to 50.00	40.00	to 50.00	.....	to 75.00	30.00	to 40.00
Lilies	10.00	to 12.00	10.00	to 12.50	10.00	to 12.00	8.00	to 10.00
Lily of the Valley	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Mignonette	2.00	to 4.00	2.00	to 3.00	.....	to 1.00	1.00	to 2.00
Sweet Peas .....	.40	to .75	.40	to .50	.25	to .50	.05	to .80
Gardenias .....	.....	to .....	.....	to 50.00	.....	to 20.00	8.00	to 20.00
Adiantum .....	.....	to 1.00	.75	to 1.00	.....	to 1.50	.75	to 1.25
Smilax .....	.....	to 12.00	10.00	to 15.00	10.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	35.00	to 50.00	.....	to 25.00	25.00	to 50.00
" " & Sprea. (100 bchs.)	15.00	to 20.00	35.00	to 50.00	.....	to 25.00	15.00	to 25.00

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of CUT FLOWERS

Henry M. Robinson J. Margolis Chas. Robinson
HENRY M. ROBINSON & CO.
WHOLESALE COMMISSION DEALERS IN
CUT FLOWERS—FLORISTS' SUPPLIES
AND HARDY CUT EVERGREENS
15 PROVINCE ST., 9 CHAPMAN PLACE
Long Distance Telephone
2617-2618 MAIN BOSTON, MASS.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

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When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports.

BOSTON When the wholesale cut flower trade was invented, conditions such as face the operator in that line today were unforeseen. The dealer of the present time has problems not dreamt of twenty-five years ago when the S. A. F. first displayed its banner as the friend of the florist and his work. We have wholesale commission men, markets of various brands and box-men of antique design and mediaeval flavor, but all have to come to the same finish, when products predominate and buyers are conspicuous for their inconspicuousness. At such times the truthful recorder has difficulty to maintain his reputation for veracity and diplomacy. Have you looked into the aster question? Why should they sell for 25 cents a hundred this year and what is the matter with them, anyway? **HORTICULTURE** was the medium for some good advertisements last year of aster seeds of the higher grades, but it looks as if the growers for this market had placed their orders where price and not quality counted most. Not for a long time have we seen the aster supply in Boston so inferior; and there are millions of them. Sweet peas of good quality are difficult to find. There are plenty of low grade flowers and they are bringing all they are worth. As to roses, the fact is that many of the buds coming in are from young stock and valueless for market purposes. The hot weather of last week had a bad effect on all, American Beauty in particular, but the cooler temperature now prevailing is having a beneficial effect. The best flowers at present are Kaiserin and Maryland. The latter is growing in popularity and although Killarney is still a popular favorite, Maryland is to all appearances a sure winner.

CHICAGO This market shows little change as the month advances. The conditions prevailing cannot be said to be unusual for this season of the year, unless the absence of rain is to be regarded as more trying on the outdoor stock than usual. Asters are probably suffering most in this respect and the market is full of short-stemmed and imperfect stock. There are comparatively few good asters here and when a really good-sized order comes in it is hard to fill it. Wieland & Risch are bringing into their wholesale store as fine stock as can be seen anywhere, and in conversation with Mr. Risch, he said: "The time is gone by when asters are profitable. If a man wants to make money on asters he can best do so by letting them alone. We grow the best varieties under the most approved methods, using the best seeds which can be bought, but with the high price of seeds and the low price of blooms we do not get our money back for the seeds alone. We grow Vick's Mikado and start the seeds in the house, but asters are not in the game when roses and carnations can be grown as they now are all the year round." Beauties are improving and other stock is about as last week, both in price and quality.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Aug. 9		Aug. 9		Aug. 9		Aug. 9	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	18.00	to 20.00
" Extra	15.00	to 20.00	15.00	to 18.00	10.00	to 15.00	10.00	to 12.00
" No. 1	8.00	to 12.00	10.00	to 15.00	6.00	to 10.00	8.00	to 10.00
" Lower grades	4.00	to 6.00	4.00	to 8.00	2.00	to 6.00	4.00	to 6.00
Bride, 'Maid, Chateau, F. & S.	6.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Low gr.	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan. & Sp.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00	2.00	to 4.00
My Maryland, Kaiserin	.....	to .....	.....	to .....	.....	to	2.00	to 6.00
CARNATIONS								
.....	.....	to 2.00	.75	to 1.50	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Gladioli	4.00	to 6.00	3.00	to 6.00	2.00	to 4.00	1.00	to 3.00
Asters	.75	to 1.00	.50	to 1.50	.50	to 2.00	.50	to 2.00
Cattleyas	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
Lilies	10.00	to 15.00	12.50	to 15.00	8.00	to 12.00	.....	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Mignonette	2.00	to 3.00	.50	to 1.00	2.00	to 3.00	.50	to 1.00
Sweet Peas	.35	to .50	.25	to .50	.20	to .30	.25	to .50
Gardenias	.....	to	20.00	to 30.00	20.00	to 30.00	20.00	to 25.00
Adiantum	.....	to 1.00	.....	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	30.00	to 50.00	30.00	to 50.00	40.00	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 25.00	30.00	to 50.00	30.00	to 50.00	30.00	to 50.00

We always look **INDIANAPOLIS** for dull trade at this time of the year, but the past week was an extremely dull one, nothing doing the entire week. American Beauties and Killarneys are about the only roses arriving in good quality. Gladioli are fine and meet with a fair demand. Lilies of all kinds prove to be good property. The market is now practically divested of carnations and asters are coming along in quantity, although the quality is not what it ought to be by any means. Green goods, with the exception of fern leaves, are not very plentiful. Briefly stated, there is enough of almost everything except business.

NEW YORK Asters to right of them, asters to left of them, gladioli in front of them and scarcely a street fakir even in sight—that's where the wholesale florists find themselves oftener than otherwise this week. So rapidly have the aster and gladiolus hordes been rushed in upon the beleaguered wholesalers that sales other than bargain lots are a rarity and the net returns to the growers of these things will not go far towards the purchase of tickets to the Convention. Those who have nice roses don't fare quite so badly, and there is room for a reasonable quantity of lily of the valley and a few orchids, etc., but after all there is very little doing in any line. Dahlias have made their appearance and will soon begin to crowd the asters, while "golden glow" and a few bunches of hardy hydrangea quite suffice for the thrifty retailer's window adornment.

There was a big **PHILADELPHIA** over-supply of poor asters last week which made the market appear to be in worse condition than the sluggish summer trade recorded in our previous week's report. But on sizing the whole situation up, trade volume was

very little different. The rush of gladioli has slackened up somewhat, but the quality still remains excellent. Roses generally are plentiful and good for the season. American Beauties are excellent, with clean foliage, and well-colored flowers, and are in brisker demand than any other rose. Libertys are fairly good. The best white of course is Kaiserin, although some pretty good Brides have been arriving lately, also good Killarneys. What few carnations there are coming in are very poor and are mostly of the left-over vintage. The outdoor crop of carnations does not seem to have panned out as strongly as usual this year, probably on account of the drouth. Very little doing in orchids. These are scarce and higher priced; but the demand is light also. It would not take many flowers to knock the bottom out of this market. Lily of the valley is fine and in excellent demand.

ROCHESTER Trade has for the past few weeks been slack as usual at this time of the year. Asters are getting to be a pest around here and it seems as if everybody in the trade, and out of it, is growing them. The market is glutted and prices are way down, even for best quality. Roses are plentiful, with Kaiserin leading, but quality below standard. Sweet peas and other outdoor flowers come in heavily, most of them good. A novelty in the way of a yellow chrysanthemum, has been in since the second week of July, but the stock is limited and the grower very reticent. (Probably Golden Glow, Ed.)

Philadelphia—Skidelsky & Irwin Co. have moved their offices from North 7th street to more central quarters in the Betz Building, Broad street and City Hall.

A. L. Jones, of Pennock-Meehan Co., left on the 9th inst. for a two weeks' vacation. His itinerary includes Nova Scotia and other points East.

Visitors: Mr. and Mrs. C. W. Crouch and Mrs. Crouch, Jr., Knoxville, Tenn.

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

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Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

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Telephones 4626-4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

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Madison Square**New York****MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephones 3360 Madison NEW YORK
3361**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan*Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY****THE HIGHEST GRADE OF VALLEY ALWAYS
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York****NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Aug. 7 1909			First Half of Week beginning Aug. 9 1909		
American Beauty, Fancy and Special.....	10.00	10	15.00	10.00	10	15.00
" " Extra.....	6.00	10	10.00	6.00	10	10.00
" " No. 1.....	4.00	10	6.00	4.00	10	6.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	10	4.00	2.00	10	4.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Killarney, Fancy and Special.....	3.00	10	6.00	3.00	10	6.00
" " Lower Grades.....	.50	10	1.00	.50	10	1.00
Richmond, Fancy and Special.....	3.00	10	5.00	3.00	10	5.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Chatenay.....	.50	10	5.00	.50	10	5.00
Ply Maryland.....	.50	10	6.00	.50	10	6.00
Carnations, Fancy and Novelties.....	1.50	10	2.00	1.50	10	2.00
" " Ordinary and White.....	.75	10	1.00	.75	10	1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist**

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

GEORGE COTSONAS & CO.**Wholesale and Retail Dealers in all kinds of
EVERGREENS****Fancy and Dagger Ferns
Bronze and Green Galax****Main Store 50 W. 28 St.**

Phone 1208 Mad. Sq.

New York**GROWERS' CUT FLOWER CO.** **CUT FLOWERS
AT
WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited. Shipments to Order, any Distance***39 West 28th Street,**Telephone 6337 Madison Square
J. J. COAN, Manager**NEW YORK****Durand & Marohn***MANUFACTURERS OF***All Kinds of Wire Work****Florists' Wire Designs a Specialty****24 Beaver St., ALBANY, N. Y.****WILLIAM H. KUEBLER***Brooklyn's Foremost and Best***WHOLESALE COMMISSION HOUSE****A First Class Market for all CUT FLOWERS****28 Willoughby St., Brooklyn, N. Y.**

Tel. 4591 Main

NOTICE!

Manhattan Flower Market

Ship us some stock. We need a large supply of all kinds of flowers, **Roses, Carnations, Sweet Peas, Narcissus, Summer Stock, etc.**, for our new store. Reliability and responsibility first-class. Good prices and prompt returns, Good opportunity.

WHOLESALE FLORISTS
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46 W. 28th St., NEW YORK
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**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

REED & KELLER
122 West 28th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Don't Take Any Fake

SILKALINE!

See that the spools you buy are stamped on the reverse
end with the name of

JOHN C. MEYER,
LOWELL, MASS.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Southern Wild Smilax

Satisfaction Guaranteed

Louisville Floral Co., Louisville, Ala.

THE NEW TARIFF.

Paragraphs Relating to Horticultural
Products.

Para. 263. Orchids, palms, azaleas and all other decorative or greenhouse plants and cut flowers, preserved or fresh, twenty-five per centum ad valorem; lily of the valley pips, tulip, narcissus, begonia, and gloxinia bulbs, one dollar per thousand; hyacinths, astilbe, dielytra, and lily of the valley clumps, two dollars and fifty cents per thousand; lily bulbs and calla, five dollars per thousand; peony, iris kamperii or germanica, canna, dahlia, and amaryllis bulbs, ten dollars per thousand; all other bulbs, bulbous roots or corms which are cultivated for their flowers or foliage, fifty cents per thousand.

Para. 266. Seeds: Castor beans or seeds, twenty-five cents per bushel of fifty pounds; flaxseed or linseed and other oil seeds not specially provided for in this section, twenty-five cents per bushel of fifty-six pounds; poppy seed, fifteen cents per bushel; mushroom spawn, and spinach seed, one cent per pound; beet, except sugar beet, carrot, corn salad, parsley, parsnip, radish, turnip and ruta-baga seed,

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted
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Telephone, Main 58.



1887 ESTABLISHED 1909

KEEPING OPEN HOUSE THIS SUMMER

TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON

TOP PRICE AND PROMPT RETURNS

J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 7 1909		First Half of Week beginning Aug. 9 1909	
Cattleyas.....	20.00	to 40.00	20.00	to 40.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Gladioli.....	.25	to 3.00	.25	to 3.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 4.00
Gardenias.....	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Sprea. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

four cents per pound; cabbage, collard, kale and kohlrabi seed, eight cents per pound; egg plant and pepper seed, twenty cents per pound; seeds of all kinds not specially provided for in this section, ten cents per pound.

Para. 668. Seeds: Anise, canary, caraway, cardamon, cauliflower, coriander, cotton, cummin, fennel, fenu-greek, hemp, hoarhound, mangel-wurzel, mustard, rape, Saint John's bread or bean, sugar beet, sorghum or sugar cane for seed; bulbs and bulbous roots, not edible and not otherwise provided for in this section; all flower and grass seeds; evergreen seeds; all the foregoing not specially provided for in this section. Free.

NEWS NOTES.

Edward Edwards, formerly of Middletown, R. I., is now installed as gardener at the Marble House, Newport, R. I., the residence of Mrs. O. H. Belmont.

L. Merton Gage of Orange, Mass., informs us that gladioli in that locality are fully three weeks later than usual, due to the continued drought, but the plants are looking well.

A. E. Kunderd of Fort Wayne, Ind., has bought the entire flowering stock of his partner, Mr. Rice, has sold his place and intends to locate at Goshen, Ill., and continue raising his ruffled gladioli.



KRICK'S FLORIST NOVELTIES

For Sale by all Supply Houses

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Ave.

Krick's Perfect Adjustable Pot Handle and Hanger—Strongest and cheapest on the market. For sale by all up-to-date supply houses. Sample pair, 10 cts., complete.

Brooklyn, N. Y.





PROSPERITY

¶ Pleased to Meet You Again on this Auspicious day celebrating its Quarter Century Anniversary and the greatest season of Prosperity in its History.

¶ Don't know what **you** are planning but I'll tell you my last and biggest year's shipments of Orchid Flowers are large and strengthen my sources of supply that they are the phrase in dealing with the florists of America with

Think of Orchids Always

¶ This is of as great importance to you as it is to the American customer who is indispensable to your success for the "Aristocrats of the Vegetable Kingdom."

¶ As to varieties, I'll not burden you with a list at present but the rarest varieties produced as their flowering plants of *Lily of the Valley*, *Gardenias*, *Lilies*, *De*

¶ Please don't lay this announcement one side and the other

THAT

Telephone
759 Madison Square

JAMES

NEW YORK

PERITY

Occasion when The Society of American Florists is
great Florist Trade of the Country is preparing for the

you what *I* propose to do. I am preparing to double
rs during the coming season. I shall TRY to so en-
response "Impossible to fill Order," shall be a forgotten
when they

ays Think of McManus

to me, for you can't fully satisfy the liberal progressive
ess this year without providing for his or her demands

sent. My sources include not only the standard species
riods follow. I have also at all times an ample stock
ies and Asparagus, all high-grade.

forget it but just write now and tell me you are interested.

S ALL =====

McMANUS
ORK CITY.

42 W. 28th Street

Nephrolepis Elegantissima Compacta

Another New Fern Originating with Us, to be Introduced Fall, 1909



Of all the valuable introductions in ferns that we have sent out, beginning with the Pierson (*Nephrolepis Piersoni*), we consider *Elegantissima Compacta* the most valuable of all, particularly from a commercial standpoint.

While this resembles *Elegantissima* in a general way, it is far superior to that variety, on account of its perfect habit. Yet it can hardly be compared with *Elegantissima* except in a general way, because it occupies a place by itself, and is as distinct from *Elegantissima* as that variety is from *Piersoni*—in fact it bears the same relation to *Elegantissima* that *Scottii* does to *Bostoniensis*.

Elegantissima Compacta has an ideal habit. The fronds are considerably shorter than those of *Elegantissima*, and it is a more compact plant. It throws a great many more crowns naturally, making a very bushy, dwarf, compact plant. The difference between the two varieties can be seen at a glance.

Fine, strong plants, 2½-in. pots, \$5.00 per doz., \$35.00 per 100; 4-in. pots, \$7.50 per doz., \$50.00 per 100; 6-in. pans \$1.50 each; 8-in. pans, \$3.00 each.

We make a specialty of all kinds of *Nephrolepis*, carrying a large stock of all sizes at all times — *Piersoni*, *Elegantissima*, *Superbissima*, *Bostoniensis*, *Scottii*, *Whitmani*, *Amorphohii*, etc.

F. R. PIERSON CO.

Tarrytown-on-the-Hudson, NEW YORK

See our Exhibit of this at S. A. F. Convention at Cincinnati



HENDERSON'S

SUPERIOR BULBS

PRODUCE

! Superior Flowers

HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

WE are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates.

WHOLESALE CATALOGUE ON
APPLICATION FROM FLORISTS

Peter Henderson & Co.
35 and 37 Cortlandt St., New York

(PHILADELPHIA SECTION)

Why You Should Buy in Philadelphia

SHORT ACCOUNT OF HER PROGRESSIVE BUSINESS FIRMS—ALL STRONG SUPPORTERS OF THE S. A. F.
—AND THEIR ENTICING OFFERS OF SEASONABLE AND UP-TO-DATE HORTICULTURAL PRODUCTS

HORTICULTURE is pleased to make a little innovation on this important occasion and present in impressive and attractive form the business facilities and business offers of one of America's leading horticultural centres. We believe our readers will find much in this narrative of Philadelphia's eminence which will interest and instruct and we bespeak for these advertisers who have invested so liberally as well as for all other advertisers in HORTICULTURE, from whatever locality, the close attention of all who are in the market to buy horticultural material of any sort. Although it is our purpose in the near future to give prominence in a similar manner to some other great centres of supply, yet we will just say in justification of the conspicuous position accorded to Philadelphia at this time that our chief reasons are—first, its loyalty to the Society of American Florists, unswerving from the day of the Society's birth to the present twenty-fifth anniversary. In the second annual report of the Society almost one-half of the recorded membership was from Pennsylvania. Second, the many important horticultural firms in that neighborhood who do a continental—many of them a world wide business with the trade—and who have been large factors in the development of the present high standing of our profession as compared with what it was a quarter of a century ago. Third, the extensive offerings these firms present in this issue of up-to-date horticultural products which every florist in the country is interested in. It is another demonstration that the Philadelphians are not slow in putting their best foot forward, and they deserve all that is coming to them. We have pleasure in noting herewith some salient features of a few of these concerns a perusal of which will, we believe, speedily emphasize the points referred to.

W. E. McKISSICK & BROS.—This firm was established in the wholesale commission flower business in 1905 under the name of W. E. McKissick which in 1908 was changed to W. E. McKissick & Bros. by the admission of two brothers: A. P. and Howard E. McKissick. W. E. McKissick, founder of the house, graduated from the good school of Samuel S. Pennock where he had an experience of nearly eight years after which he was associated with Leo Niessen for five years and for a part of that time was vice-president of the Niessen company. The McKissick firm has been very successful and today holds a very high stand-

ing in commercial circles. All the members are keen business men and not so narrow minded but that they can take an interest in Florists' Clubs, Horticultural Societies and other utilities—which promise only indirect benefits. We consider them the type of men who will carry our business through to the future with high ideals.



G. C. WATSON

Representative of Horticulture in Philadelphia.

EDWARD REID.—This prominent wholesale commission florist started in business on 16th street, below Market street, fifteen years ago. A thorough training in the rose growing business with Price, Lansdowne, covering ten years, and a commercial life of four years in field service for Z. De Forest Ely & Co. gave him a foundation and finish that were instantly available; and just the qualities that were needed by a grower understanding how to market products to the best advantage, and by a retailer in having some one to depend on for intelligent service in furnishing the goods. On being asked to state why he had been so successful Mr. Reid said: "I don't know, unless it is because I'm always on my job." Always on my job! There you have a great fundamental, without which no great business is ever established. But it takes far more than being always on your job to make a success. Mr. Reid has many attributes personal and acquired in addition to that—native ability, good training as a grower and

as a seller, combined with the "always-on-the-job." All that, and another important feature—ample capital! We congratulate Mr. Reid on his well-earned success and hope he will live long and prosper.

H. BAYERSDORFER & CO.—In this big, wide-awake florists' supply house is presented an example of what proportions it is possible to reach through adherence to a policy of persistent publicity and enterprise. As stated in their advertisement on the inside front cover page of this paper, this house has been a regular and very extensive exhibitor at every Trade Exhibition of the S. A. F. So well have they followed up their exhibition publicity and their liberal trade paper advertising by travel and personal attention that the two gentlemen who constitute this firm, Harry Bayersdorfer and Paul Berkowitz and their faithful traveling representative, Martin Reukauf, are individually and intimately known in every community where the florist trade has a footing from the Atlantic to the Pacific. Once a year Mr. Bayersdorfer makes a pilgrimage to Europe and nothing of value to the American trade escapes his eagle eye. When you speak of Bayersdorfer & Co., you think of Philadelphia.

JNO. DUNN JR. & CO.—One of the leading firms of custom house brokers; established 1902 by Jno. Dunn, Jr. In 1905 the firm became Jno. Dunn Jr. & Co., by the admission of Jno. A. Steer, who had been for a number of years in the custom house brokerage business, and was familiar and influential in that line. They do nearly eighty per cent of the horticultural brokerage of the port of Philadelphia which tells the story better than any words of ours.

PHILADELPHIA INSECTICIDE CO.

—The guiding hands in this company are Mr. Pullman, the inventor of Pullman's Insect Powder; Louis and Charles Berger, sons of William Berger one of the oldest and best known florists in this vicinity. They turn out from their factory not only the well-known Pullman insect powder but also tobacco extracts and other valuable insecticides. Being practical florists as well as experienced chemists they are unusually well equipped to know the needs of the everyday florist and we think we are stating the case mildly when we say that their products are a boon to the horticulturist—not only in first cost but in practical results. If your seedsman cannot supply, send a postal to 324 Queen Lane, Germantown, Philadelphia for full particulars.

PHILADELPHIA

The Most Reliable Cut Flower Market In The East.

We have helped to make it so, and we are justly proud of our efforts in that direction. Our success in the commission business should be sufficient guarantee for our-

INTEGRITY
ATTENTION TO BUSINESS
AND
LIBERAL AND JUST PRINCIPLES.

We should be glad to do business with you. Let us get acquainted. We can assure you of pleasant business relations, that will prove to our mutual advantage

THE LEO NIESSEN CO.

WHOLESALE FLORISTS

LEO NIESSEN CO.—Unlike most other successful flower commission houses Leo Niessen the founder and present head of this firm did not graduate from an older house. He just started. He used to remark humorously that he carried his store under his hat. He had no money; but he started all the same—and he looked so frank, and honest and put up his plea for business with such an ingenuous, child-like smile that he proved irresistible. By and bye the hat developed into a store at Juniper and Filbert streets. This was along about 1894. Five years later, his brother Arthur A. Niessen became a partner in the business. At that time the two brothers ran things with the help of a man and a boy. At the present time it takes twenty-five to thirty men and women to handle the business and in the rush seasons many more. Larger quarters at 13th and Filbert streets were occupied for some years, but these also proving inadequate, a central property at 12th and Arch streets was purchased—on which was erected a modern, six-story fire-proof building, constructed of reinforced concrete, and specially designed for the cut flower business. Here has been installed the most up-to-date equipment, including cooling rooms on both the first floor and basement, operated by refrigerating machinery with a capacity of six tons of ice daily, and far more effective and economical than the old system of block ice boxes.

The firm was incorporated under its present title in 1904 with Leo Niessen as president, and Arthur A. Niessen as secretary and treasurer. We congratulate Messrs. Niessen on their well-earned advancement, which has nothing magical about it; but is the result of long foresight—ploughing and sowing and cultivating the field in an intelligent manner year after year. No one can say luck did it; only shrewdness, hard work and liberal advertising—or as they say themselves:—"doing business on business principles."

BERGER BROS.—This firm, composed of Harry and John Berger, was established in the wholesale flower commission business in 1904, at 1220 Filbert St. They had been well trained to the florist trade before this, having been associated with their father, William Berger of Germantown. Their business has been a success from the start and they are looked upon as one of the most promising of the younger firms who have lately entered the ranks.

HENRY F. MICHELL CO.—There are as many ways of achieving success as there are men in the world. When I first knew Henry F. Michell, the founder of this firm, some twenty years ago, he had just started in business for himself at 1018 Market street—succeeding W. H. Smith—or rather, having purchased the stock, lease and good will of that business. Previous to that, he had been with Dreer seventeen years—a good school to graduate from. He struck me then as one of the cautious, conservative kind—the saving, industrious, hard working, conscientious type that form so large a percentage of the successful men of all times and all countries. I have seen no reason to change my

BUYER AS WELL AS SELLER

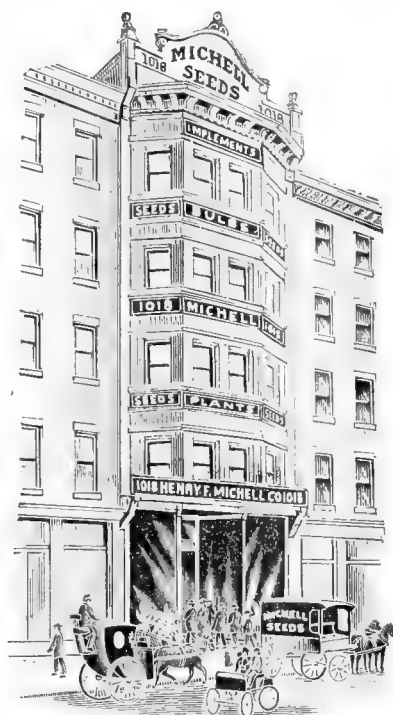
Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your orders or consignments to us and judge.

BERGER BROS.,

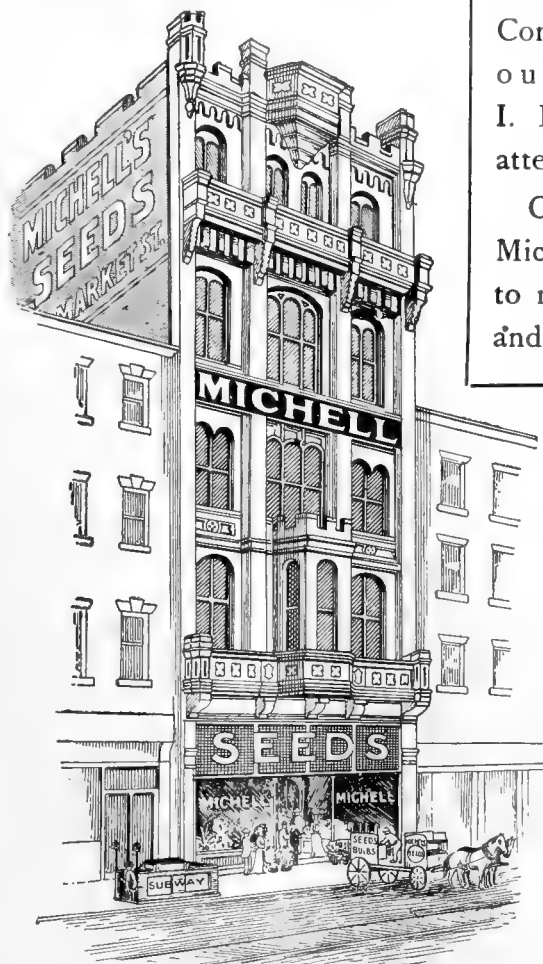
Wholesale Florists

1305 Filbert St.,

PHILADELPHIA



MICHELL'S SEED HOUSE
At 1018 Market St., Philadelphia
(Floor Space Capacity 21,000 Square Feet)



MICHELL'S ADDITIONAL ESTABLISHMENT
At 518 Market St.

(Floor Space Capacity 38,000 Square Feet.)
Pronounced by Visitors as the most Complete Seed Establishment in the United States.

MICHELL'S SEEDS and BULBS

Can always be relied upon to give satisfaction.

Don't fail to look for Michell's Exhibit in the Convention Hall, where our Representative I. Rosnosky will be in attendance.

Our Mr. Frederick J. Michell will also be about to meet our many friends and customers.



FREDERICK J. MICHELL.

Please ask for a Complete Wholesale Catalogue of Seeds, Bulbs and other needs for the florist.

Our Customers have proven to be our best advertisers.

Henry F. Michell Co.

1018 and 518 Market St., Philadelphia.

We Solicit Your Patronage

opinion of these fundamental characteristics. But he has certainly developed in other ways as success came to him, after the initial heart breaking struggle of the first five years. He has developed confidence in himself. He has developed in enterprise. He has dropped some of his timidity and in short, is rising magnificently to his opportunities. When I speak of Henry F. Michell I speak also of his business. He and it are one. He sticks to it day and night the year round and dominates everything. He has able managers and lieutenants around him now, and a large force of employees; has every department well systematized; but nevertheless he works today just as long and as hard as he did twenty years ago. Mr. Michell is a native of Switzerland, and came to this country with his parents at the age of nine. He got his schooling and early business training in Philadelphia, and in thought and feeling is typically of the City of Brotherly Love. In 1890 his brother Fred. was admitted to



HENRY F. MICHELL

partnership in the firm, and in 1905 the firm became a corporation—most of the stock (if not all) being in the Michell family. Two years ago the Tower Hall property at 5th and Market street was purchased at a price said to be in the neighborhood of \$150,000, (and considered a great bargain at that figure) and a second store, auxiliary to their 1018 Market street store, opened there last fall. Another recent enterprise was the purchase of twenty acres of fine land near Andalusia station, where modern trial grounds have been established. This will be of great benefit in the future development of the business. If any special branch of the seed business were to be singled out as one in which the Michell firm excels, it is in the florists' business. Florists are exacting. They demand the best. Their bread and butter depends on that. The best flower seeds; the best forcing bulbs. Nothing else will do. The initial price of an ounce of flower seeds or a thousand bulbs is a small matter when the final results are figured up. Mr. Michell has always been thoroughly alive to this fact, and has

ever striven to give quality first place—and the fact that the firm does one of the largest businesses in the country among the florists is ample vindication of the wisdom of this policy. Their local or counter trade among the private gardeners and suburban residents is also very large. It is an inspiring sight to see the mob of eager customers, six and eight deep, at the counters during the busy seasons in spring and fall. The public parks in this and many other cities are annually supplied with bulbs and seeds by this firm. Everything for the farm, garden or orchard can be found here. There are perhaps not more than a dozen firms in the whole United States that can show equal quality, quantity and variety.

W. ATLEE BURPEE & CO.—This business was established in 1876, but for some years previous to that Mr. Burpee had been interested in the sale of thoroughbred stock. He was also well known to the farming public from having been a regular correspondent of a number of agricultural papers, but notwithstanding this advertising and prestige—progress in the seed business was slow at first. He tells an interesting story of these early struggles:—"The first year's business showed a net loss of \$3,500, without allowance either for interest or personal salary. The second year's business barely paid expenses, while the third year showed only a profit of \$2,700." Since then, however, with the exception of some years of severe agricultural depression, the business has grown steadily until it is now the largest of its kind in the world, a success based primarily on three fundamental conditions: (1) originality, (2) thoroughness, and (3) advertising. Mr. Burpee early showed his originality by offering collections of seeds at popular prices through the country and suburban papers—a thing at that time unheard of in the seed business—and by which he laid the foundation of his mailing list. He showed originality also in the writing and illustrating of his catalogues and price lists. These were thoroughly fresh and original, and caught the popular fancy amazingly. The second important ingredient in the above recipe—thoroughness—he showed by an infinite capacity for taking pains with everything he did—a tireless energy in following up every hint or suggestion for improvement either in the production or in the distribution of farm and garden seeds. Burpee was always listening. He was very democratic. His manner was always frank, engaging, confidential. Few ever left his office without a pleasant feeling on his mind for Burpee; and few ever got away without Burpee having gleaned some valuable item of out of the way experience from them. Another evidence of this thoroughness is the trial grounds at Fordhook. These are of course of inestimable value not only in showing the purity of stock and fidelity to type, but also, what is of equal importance, in giving opportunity for careful comparisons of present commercial varieties and of promising claimants on probation. These claimants come from all parts of the world—some of them are voluntary, but most of them are sent for. Maybe they already had a fine char-

acter given them in some far away region. What a splendid school this is for keeping the employees as well as the management up to the mark in their knowledge of stocks, with varieties constantly changing from year to year, and what a beneficent influence this hunting and sifting and judging is for the farmers and gardeners everywhere. As for advertising—ingredient No. 3—little need be said, as Mr. Burpee is well known as a brilliant and liberal advertiser. He has this to say about that terrible bogey of the beginner in advertising—Direct Results:—"We do not expect a direct profit from newspaper advertising. Our records, over a period of years, show that each answer costs from 25 to 27 cents. Practically we give away the seeds we advertise; but are willing to do so in order to secure thorough trials. An important factor is the moral influence which advertising exerts. If our advertisements did not appear in the leading papers some of our customers would not be reminded that they had received our



W. ATLEE BURPEE

Farm Annual which may have been laid aside and forgotten. Advertising is as necessary an annual expenditure as the payment of taxes or rent." Mr. Burpee thinks that the method of charging up advertising all to expense account is unfair, as at least half of it might reasonably be considered an investment for the years to come, and charged up to investment account. After thirty-three years of strenuous work in the seed business, Mr. Burpee shows no signs of letting up, personally, but is still at it, as enthusiastically as ever. This summer he has been North to Canada, and the Northwest, among the growing seed crops; through the Western states as far as the Pacific; down South and all through the Gulf states—and at this writing, is traveling in Europe inspecting crops and visiting flower shows—with eyes and ears alert for anything good. He has had an enormous influence on the horticultural and agricultural interests—perhaps as much as any one man now living and in the prime of life, and Uncle Sam is proud of him. Business is more than a business to him. It is a profession—a passion!

"FOUR OF THE FINEST" TRUE SUPERB NEW "SPENCER" SWEET PEAS FOR 1910

Senator Spencer

Although this variety belongs in the darker colored class, the lighter background gives a mass of the blooms a sort of heliotrope tint which is very pleasing. The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope.

It presents a beautiful combination of tints and colors and shows up wonderfully well under close inspection as the dainty detailed markings are most attractive.

SENATOR SPENCER is of the true Spencer form—wavy edges on both standard and wings—large, round, fluffy standard, long drooping wings. Both standard and wings are marked with the same colors and in the same way, with perhaps a trifle more of the wine shading in the wings.

The stems are long and there are usually four good large finely formed flowers on each stem. The description of LESTER L. MORSE on whose grounds this striking new Spencer originated. Our own notes both at FORDHOOK and in California, agree completely with the description quoted. W. A. B. & Co.

Miriam Beaver

MIRIAM BEAVER is entirely distinct in coloring from any other Sweet Pea of either the Grandiflora or Spencer types. It is almost impossible to picture its beauty of coloring and loveliness of form.

The flowers are nearly of a uniform shade,—appearing almost to be a self color,—a rich bright soft pinkish salmon suffused with buff on a primrose ground. The effect is that of a most beautiful soft and bright salmon-pink. At top of standard the color deepens to rose. It is brighter in color than Mrs. Routzahn Spencer. (Last year the field name of this was "Dark Apricot and Straw" while Mrs. Routzahn was designated as "Light Apricot and Straw.")

The flowers are uniformly of the largest size. The standard measures more than two inches across by one and five-sixteenths inch in depth. The wings fold or curl but little, measuring one and five-sixteenths inch wide and one and one-quarter inch deep. Both standard and wings are superbly waved or crinkled; in fact, this unique characteristic of the Spencer type is even more pronounced than in most other seedlings of Countess Spencer. The strong stems, twelve to fifteen inches long, more frequently carry four flowers than three. The vine is very thrifty, the profusion of bloom remarkable, but, like all other first-class true Spencers, it is a very shy seeder.

W. T. Hutchins

The fully expanded flower has the appearance of light apricot (distinctly lemon at the throat), overlaid with a beautiful blush pink. The attractiveness of the flowers when bunched is beautiful beyond description. As the season advances the blush pink shading becomes rather more pronounced.

In form this superb new Spencer is an exact counterpart of the finest selected strains of the beautiful pink or True (Original) Countess Spencer. The vigorous vines flower most freely, the stems are long and carry well three or four fine flowers. Both standard and wings are wavy, ruffled and crinkled of the most advanced Spencer type. The flowers are of the largest size, the standard measures two inches across by one and five-eighths inches deep, while the wings are proportionately as large—one and one-half inches wide by one and three-eighths to one and one-half inches deep.

Prince of Wales Spencer

This brightly colored variety might be described briefly as a glorified "Spencer" type of the popular grandiflora "Prince of Wales." Because of increased size and fluted character of flowers the effect is brighter and more pleasing.

The flowers are brilliant rose-carmine or red, of good size and fine form. The wings are a pure rich rose-crimson and the standard is the same with a tint of cherry-red. The whole effect is that of a brilliant crimson,—clear, distinct and beautiful.

The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping.

The strong stems are long and usually bear four blossoms each. The plant is very vigorous and free flowering. PRINCE OF WALES is a variety that belongs in all first dozen sets and will become one of our standard shades in Spencers.

We also offer to the trade AURORA "SPENCER" and OTHELLO "SPENCER" both of which were introduced in 1909 but only at retail.

Othello Spencer

This beautiful new Sweet Pea of the true "Spencer" type will appeal to those having a preference for the darker colors. The flowers come uniformly true to type, being beautifully waved or crinkled both in standard and wings. The stems are thick and long and carry well either three or four fine blooms of a rich deep maroon. It is a strong grower and the intensely dark-colored flowers contrast well with the lighter shades already introduced.

**A Spray of SENATOR
"SPENCER" Sweet
Pea. Exactly natural
size.**

Aurora Spencer

The superbly beautiful flowers are of really enormous size, and come uniformly of the true "Spencer" type. Both standard and wings are waved or fluted to a most pronounced degree. The magnificent flowers are produced most profusely in threes and fours, well placed on the end of long, stiff, dark-green stems. The ground color of the flower is a cream-white, and this is exquisitely flaked and mottled with rich orange-salmon.

Prices to the trade on all the six beautiful New "Spencer" Sweet Peas offered in this advertisement.

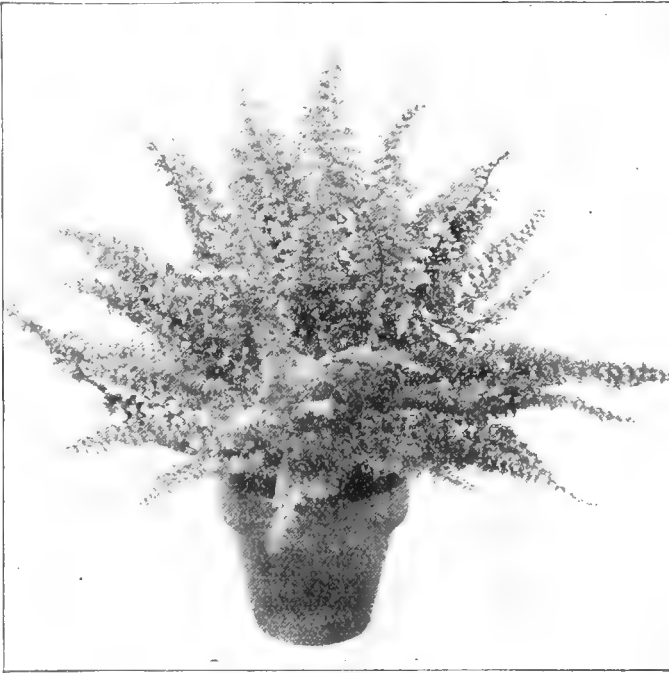
1-4 sealed packets: Per pkt. 25c; \$2 per doz. pkts.; \$13.75 per 100 pkts. In lots of 500 pkts. or more, \$12.50 per 100 pkts.
In half size packets: Per pkt. 15c, 2 pkts. 25c; \$1 per doz. pkts.; \$7 per 100 pkts. In lots of 500 pkts. or more, \$6.25 per 100 pkts.

For number of seeds in packets, please refer to circular, copy of which will be mailed on application.

Copies of our "ADVANCE ANNOUNCEMENT FOR 1910" will be mailed on application.

W. ATLEE BURPEE & CO.

PHILADELPHIA, PA.



Nephrolepis Scholzei

Nephrolepis Scholzei

The New Crested Scottii Fern

This crested sport of Scottii has proven all that has been claimed for it, and promises to become the most popular variety in commerce.

It is, without a doubt, the ideal crested fern; a good, quick grower, and makes a salable plant in any size from a 3-inch pot to a large specimen. A profitable fern for everybody.

We offer for immediate delivery, nice, strong plants from 2 1/4-inch pots.

At \$ 3.50 per doz.	} 25 supplied at 100 rates
" 25.00 per 100.	
" 200.00 per 1000	

A fine lot of specimen plants in 6-inch pots at \$12.00 per dozen.

HENRY A. DREER, Inc.

Philadelphia, Pa.

PENNOCK-MEEHAN CO.—This wholesale commission house had its initial start in 1881 by Charles E. Pennock, now deceased, at 30 South 16th street. In 1889 the firm became C. E. and S. S. Pennock. Charles E. Pennock died in 1891 and the firm became Samuel S. Pennock. In 1892 the store was located at rear of 42 South 16th street. In 1895 were bought the two



SAMUEL S. PENNOCK

dwelling houses, 1612 and 1614 Ludlow street, the nucleus of the present Pennock Building in which the Pennock-Meehan Co. is located. Other purchases were made in 1898, 1899 and 1900. In 1906 consolidated with Charles E. Meehan (who controlled and practically owned the Philadelphia Wholesale Flower Market Co.) under the title of the S. S. Pennock-Meehan Co. The present officers of the company are: Samuel S. Pennock, president; Charles E. Meehan, vice-president; Percy B.

Rigby, treasurer; and E. J. Fancourt, secretary. Mr. Pennock installed a cold storage plant in 1901, being the first wholesale house to do this. In 1903, a ribbon and supply department was started, in charge of E. J. Fancourt, and through his energy and ability has grown until it is now recognized as headquarters for florists' ribbons the country over. The Pennock Building was designed and built specially with a view of conducting a wholesale cut-flower and supply business. The ice-making machinery is operated by electric power and is capable of producing six tons of ice daily. Owing to the new methods of storing the cold air, the machinery can be shut down for six hours or more at a time and still retain the required temperature. The plant is divided off into sections so that the expansion and contraction of business can be handled without waste; 19,000 cubic feet of cool natural storage in the basement is an adjunct to the regular cold storage facilities. This latter is dust-proof and some flowers are often better here than under regular cold storage conditions. The main floor has an area of over 6,000 square feet, and here the receiving, grading, selling and shipping of flowers is constantly going on, and during the busy seasons such as Christmas and Easter business goes on night and day. The following remarks made by us in our 1907 convention number, on the Pennock-Meehan Co., will bear repetition here:

The mere mention of the names which go to make up the name of this company suggests the thought of sterling business integrity and conservative horticultural stability, for no two names are more closely linked with the best ideals in Philadelphia horticulture for the past half century than are these. The establishment is a good example of the possibilities in the wholesale florist business under wise progressive policies. Visitors to

Philadelphia will find in its equipment much that is interesting and instructive.

THOMAS H. BAMBRICK.—Here is a well-known and popular Philadelphian who for 40 years has been supplying good men skilled and unskilled to the horticultural trade generally. During the forty years, as the pioneer



THOMAS H. BAMBRICK

employment agency man of the East, he has had the satisfaction of placing over a million persons in positions, and in this capacity has been a public benefactor of no small proportions. In this connection we quote an interesting item of news from the Philadelphia papers:

"One of the latest transactions in the Philadelphia business world, which has attracted attention throughout the country, was the recent sale of the Employment

Dreer's Special Offer of Seasonable Plants

PALMS, OUR LEADING SPECIALTY



COCOS WEDDELIANA.

ARECA LUTESCENS

Pots. a pot.	Height.	Doz.	100	1000
3-in.	3	12 to 15 in.	\$1.25	\$10.00 \$90.00
6-in.	3	26 to 28 in.		\$1.00 each

COCOS WEDDELIANA

We have nearly an acre of this most graceful Palm in fine condition.

Pots.	Height.	Doz.	100	1000
2 1/4-in.	5 to 6 in.	\$1.50	\$10.00	\$90.00
3-in.	8 to 10 in.	2.00	15.00	140.00
5-in.	24 in.		\$1.00 each	
7-in.	30 in.		2.50 each	

KENTIA BELMOREANA

Pots.	Leaves.	Height.	Doz.	100	1000
2 1/4-in.	4	8 to 10 in.	\$1.50	\$10.00	\$90.00
3-in.	5	12 in.	2.00	15.00	140.00
4-in.	5 to 6	12 to 15 in.	4.50	35.00	
6-in.	6	20 to 24 in.		\$1.00 each	
6-in.	6 to 7	26 to 28 in.		1.50 each	
7-in.	6 to 7	34 to 36 in.		2.50 each	
8-in.	6 to 7	42 to 44 in.		5.00 each	

KENTIA FORSTERIANA (Made-Up Plants)

	Plants	Height	Each.
6-in. pots	3 plants in a pot	24 in.	\$1.00
7-in. tubs	3 plants in a tub	36 in.	2.50
7-in. tubs	3 plants in a tub	38 in.	3.00
8-in. tubs	3 plants in a tub	40 to 42 in.	4.00
8-in. tubs	3 plants in a tub	42 to 45 in.	5.00
9-in. tubs	3 plants in a tub	4½ to 5 ft.	8.00
12-in. tubs	3 plants in a tub	6 ft.	15.00
14-in. tubs	4 plants in a tub	6½ ft.	20.00

KENTIA FORSTERIANA

Pots.	Leaves.	Height.	Doz.	100	1000
2 1/4-in.	4	8 to 10 in.	\$2.00	\$15.00	\$140.00
3-in.	5 to 6	15 in.	2.50	20.00	175.00
4-in.	5 to 6	15 to 18 in.	5.00	40.00	
6-in.	6	28 to 30 in.		\$1.00 each	
6-in.	6	34 to 36 in.		1.50 each	
7-in.	6 to 7	36 to 40 in.		2.50 each	
Tubs.	Leaves.	Height.			
7-in.	6 to 7	42 to 46 in.		4.00 each	
8-in.	6 to 7	48 to 50 in.		5.00 each	
9-in.	6 to 7	4 1/2 ft.		6.00 each	
9-in.	6 to 7	5 ft.		8.00 each	
10-in.	6 to 7	5 1/2 ft.		10.00 each	

For the most complete list of seasonable stock that can be offered at this season of the year, see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

During the Convention we will have on exhibition at Cincinnati, Ohio, a full line of samples. Our entire staff of travelers will be in attendance and will be pleased to show samples and give any information desired. Visitors to Philadelphia are cordially invited to visit our Nurseries at Riverton, New Jersey, where you will always find something to interest you.

We offer clean, healthy, vigorous plants of good color and value

ALSOPTILIA AUSTRALIS (The Australian Tree Fern)
2-in. pots, 50 cents each; \$5.00 per dozen
per 100.

ADIANTUM FARLEYENSE

The best stock we have ever offered of this fine Maiden Hair.
3-in. pots, \$3.50 per doz.; \$25.00 per 100
4-in. pots, 5.00 per doz.; 40.00 per 100
6-in. pots, 1.00 each

ASELENIUM NIDUS AVIS (The Bird's Nest Fern)

A nice thrifty lot of this interesting fern.
3-in. pots, 30 cents each; \$3.00 per dozen
4-in. pots, 50 cents each; 5.00 per dozen

NEPHROLEPIS SUPERBISSIMA

(Introduction of 1908)

2 1/4-in. pots, strong plants, per doz., \$2.00
2 1/4-in. pots, strong plants, per 100., 15.00

NEPHROLEPIS BOSTONIENSIS (The Boston Fern)

2 1/4-inch pots, 60 cts. per doz.; \$4.00 per 100; \$35.00 per 1000.
6-inch pots, 50 cts. each.

NEPHROLEPIS SCOTTII (The Scott Fern)

6-inch pots \$0.50 each 8-inch pots 1.00 each

NEPHROLEPIS WHITMANI

(The Improved Ostrich Plume Fern.)
6-inch pots, 50 cts. each.

FERNS IN FLATS

Cyrtomium Fortunei, Pteris Adiantoides,
Pteris Cretica Albo Lineata,
Pteris Cretica Magnifica,
Pteris Sersulata Cristata,
Pteris Victoria, Pteris Wilsoni,
Pteris Wimsettii Multiceps.

Price: Any of the above varieties, \$2.00 per flat; not less than a full flat of any one variety will be supplied.

MIXED FERNS FOR DISHES

We can supply all the leading varieties for filling Fern Dishes in good sturdy plants from 2 1/4-in. pots, at \$3.50 per 100; \$30.00 per 1000.

ARAUCARIA EXCELSA (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

4-in. pots, 5 to 6 in. high,	2 tiers.	\$.30
5-in. pots, 10 to 12 in. high,	3 tiers..	.60
6-in. pots, 13 to 15 in. high,	3 to 4 tiers..	.75
6-in. pots, 14 to 16 in. high,	4 tiers..	1.00
7-in. pots, 16 to 18 in. high,	4 tiers..	1.25

ARAUCARIA EXCELSA GLAUCA

5-in. pots	8 in. high	2 tiers	.....\$0.75
6-in. pots	10 to 12 in. high	3 tiers	.....1.00
7-in. pots	13 to 15 in. high	4 tiers	.....1.50
7-in. pots	16 to 18 in. high	4 tiers	.....2.00

ARAUCARIA ROBUSTA COMPACTA

6-in. pots	8 in. high	2 tiers	.....\$1.00
6-in. pots	10 to 12 in. high	3 tiers	.....1.25
7-in. pots	12 to 14 in. high	3 tiers	.....1.50

ASPIDISTRA

Lurida, green-leaved, 5-in. pots, 6 to 8 leaves	.....\$0.50
Lurida, green-leaved, 6-in. pots, 8 to 10 leaves	......75
Lurida Variegata, variegated-leaved, 6-in. pots, 8 to 10 leaves	.....1.00

DRACAENA MASSANGEANA

4-in. pots	.....\$0.50
5-in. pots	......75
6-in. pots	.....1.00

EURYA

Latifolia Variegata, an evergreen shrub with rich, dark green foliage, which is beautifully variegated with creamy white; an excellent plant for decoration, 40c each; \$4.50 per doz.

OPHIPOGON JABURAN VARIEGATUS

A most useful variegated foliage plant. 35c each; \$3.50 per doz.

HENRY A. DREER, Inc., 714 Chestnut St., PHILADELPHIA, PA.

Everything Seasonable IN CUT FLOWERS

THE YEAR ROUND

Estimates Furnished on Large
Quantities

W. E. McKissick & Bro.

Wholesale Florists

1619-1621 Ranstead Street
PHILADELPHIA

Good Men

Help of all kinds, including
that for Florists, Nurserymen,
Seedsmen and the Horticultural
trade generally.

When you need good men,
skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street,
PHILADELPHIA

Bureau business of Mr. Thomas H. Bambrick, one of the city's foremost business men and citizens, to the newly incorporated Pennsylvania Labor Exchange Company.

The consideration was \$50,000 and the company, which now takes hold of this well known forty year old business, has been incorporated under the laws of New Jersey and has interested many thousands of dollars worth of new capital and not only contemplates the erection of a modern twelve-story building on the site of its present offices, 34 South Seventh street, Philadelphia, but likewise includes establishing branch offices in New York, Pittsburgh, Chicago and the West and Europe."

HENRY A. DREER (Incorporated).
—Founded in 1838 by Henry A. Dreer in partnership with Henry Hirst. Two years later Mr. Hirst retired. From the first the active management of the business was in the hands of Henry A. Dreer, then only twenty years old. Henry A. Dreer died in 1873, and was succeeded by his son William F. Dreer. In 1892 the business was incorporated, under the name of the founder, Henry A. Dreer, with William F. Dreer as president; J. D. Eisele, vice-president; Herbert G. Tull, treasurer, and J. Otto Thilow, secretary. William F. Dreer, although active in the business for forty years, is still at the helm, in the strength and vigor of middle life. As soon as he left school he began business with his father, who gave him a thorough business training in all departments. At the age of eighteen he spent a season with one of the largest seed growers in Germany, and a season in a famous establishment in Paris. The European experience thus gained, added to his other training, he put to splendid use in extending and improving the already large business of his father, until the house of Dreer gives employ-

ment to 175 men and women at all seasons of the year, and during the busy season in the spring there are seldom less than 200 employees, of whom from 50 to 60 are engaged at the store, office and warehouse in Philadelphia, and the balance at the



WM. F. DREER

greenhouses and nurseries at River-
ton. As the firm well says in its sou-
venir catalogue of 1908 (commemorating its 70th anniversary)—for a business house to live through 70 years is something! In all the hundreds of business houses which today line Chestnut street in Philadelphia, Henry

A. Dreer is the only one which existed in 1838. But to grow from small beginnings into an organization which reaches into all parts of the world and supplies vegetable, flower and grass seeds, bulbs and plants to hundreds of thousands of customers, is much more! History is valuable only for the lessons it teaches. Its records must mark either progression or retrogression. Especially is this true of the seed, plant and bulb trade, where a successful continuance is dependent wholly upon intelligent and persistent efforts towards betterment of sorts by selection, and towards improvement in methods of production and distribution. This truth was most forcibly put by Henri L. DeVilmorin in 1893 at the Horticultural Congress in Chicago when he said: "All the care, food and protection given to plants may make them larger and finer, but only selection among many of the same kind, with the help of heredity, can fashion an enduring race of plants with special good qualities for our farms, gardens, or orchards. Chance seeding may yield some very good finds, as sometimes a good hit is made by shooting at random. But no good marksman will, even after the luckiest of chance shots, dispense with the use of his eyes and judgment for the rest of the day." Selection, reselection, and then some more selection has been the story of evolution in the seed trade. In the list published by Dreer 70 years ago was included every vegetable we have today with the single exception of Brussels sprouts. 123 varieties of flower seeds were offered of which eighty are still listed. Nearly all of these varieties of both vegetables and flowers have been



ASTER3—A representative summer flower on which we are always strong.

Ribbon Department

Realizing the utility and the vast importance of this branch, and knowing the necessity for every Florist to get shades to match the flowers exactly and stand the inspection of the most critical, we organized this department, which is now the most up-to-date and modern of any wholesale Florist's in the country.

In this department can be found the newest and most desirable patterns—designs and colorings being manufactured to our order especially for the Florist trade. New styles, new fabrics are constantly added, so as to bring the stock up to the highest standard of perfection. We were the first to undertake this branch and offer to the Florist trade "Everything in Ribbons" and had years of experience and knowledge before other houses entered into the field.

Send for Our Weekly Price Current.

Our Exhibit

Our Mr. Fancourt will be in attendance at the Convention with an elaborate exhibit of the latest in

RIBBONS

and other seasonable specialties.

Evolution of "The New Kind" of Commission House



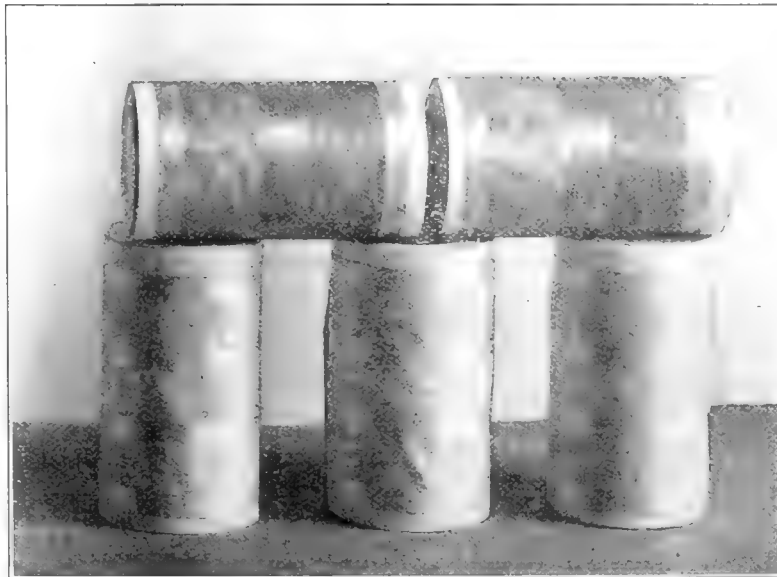
TWENTY FIVE years ago when the *Society of American Florists* was organized the commission business was a small affair. Most growers marketed their own products. But as time went by, they began to realize that marketing was a science in itself; and that the expert salesman was indispensable. During these twenty-five years the

S. S. Pennock-Meehan Co.

has gone through a progressive evolution; gaining constantly by experience, perfecting its methods and quickly grasping every improvement to better the service both for grower and retailer. This company not only does an immense business but *the best kind of business*. Its organization combines all the good features of the Modern Flower Market, with none of the objections. It may be fittingly called

"The New Kind" of Flower Market

where everything in Cut Flowers, Plants or supplies can be had; a steady influence in extremes of glut or scarcity; and constantly striving for the highest standards of business methods and morals.



RIBBONS A sample illustration.

Cut Flower and Plant Department

The organization of this department is the development of nearly thirty years' experience, and is and has been along practical lines. It has been brought by selection and elimination as near perfection as possible. Constant vigilance is the watchword for every employee from the highest to the lowest. Great stress is laid on the accurate filling of orders, and the packing system is so complete that we now ship these perishable commodities hundreds, often thousands, of miles from the great Cut Flower and Plant center—Philadelphia.

S. S. PENNOCK - MEEHAN CO.

THE WHOLESALE FLORISTS OF Philadelphia

1608-1620 Ludlow Street

Store closes 6 p. m.

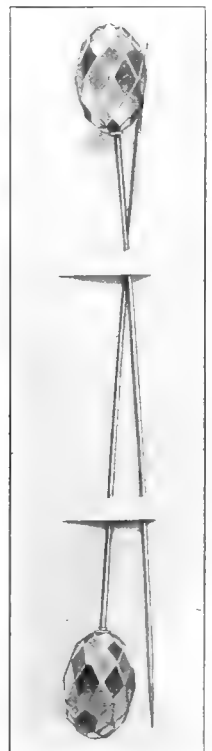
Washington Store, 1212 New York Ave.



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Supply Department

We handle all the staples, such as: cypresses, wheat sheaves, doves, baskets, basket-covers, pot covers, etc., and can fill all orders large or small.



PINS—The finest assortment in the country.

PENNOCK BROS.

Retail Orders Filled and
Promptly Delivered

1514 CHESTNUT STREET
Philadelphia, Pa.

JOHN DUNN, JR. & CO.

Customs Brokers and
Forwarders of Plants and Bulbs

TO ALL PARTS OF THE COUNTRY

Bourse Building, PHILADELPHIA

greatly improved by selection. Hybridizing has contributed to improvement, particularly in the fruiting types of vegetables, such as tomatoes, potatoes, egg plants, peppers, etc., but the steady and constant march forward through seven decades has been achieved by virtue of the sure, unflinching method of careful and intelligent selection. The Dreer greenhouses, nurseries and trial grounds, are located at Riverton, within half an hour's ride of the city, and constitute one of the show places of Philadelphia. The greenhouses alone, cover upwards of five acres. Dreer's was the first American house to grow decorative and ornamental foliage plants on an expensive scale, and has been the means of bringing many varieties of palms, ferns, araucarias, pandanus, etc., etc., within the reach of everyone, and has helped to make these plants as much a part of the decoration of a room as its furniture. They have also made a specialty of stove plants, their catalogue describing more varieties than can be found in any other American list, and all of which find an important place either in house decoration or in the furnishing of the greenhouse and conservatory. To illustrate the rapid growth of the business take one item only: Ferns. Twenty years ago all the ferns sold were grown in a greenhouse covering less than 400 square feet. Today, over 65,000 square feet of glass, with a large staff of specialists, are devoted to fern growing, and more than two million plants are distributed every season. The business in hardy perennials, and other outdoor subjects, hardy and otherwise hardy, is also very large. Ten acres are devoted to peonies and as much more to phloxes. Of cannas, a quarter of a million are distributed annually. Twelve years ago the sales of dahlias totaled 8000 roots. Today over forty acres are devoted to their cultivation, and over 300,000 roots are grown for one season's sales. In giving this brief sketch of Mr. Dreer and his establishment, we must not forget to say a word about the chief of the plant department. We know he always has the uneasy feeling of the ultra modest man when one attempts to say anything nice about him. He can stand chafing a great deal better than a little bit of honest praise. He says William F. Dreer is directly and in every way responsible for the planning and building of the mammoth establishment. When you ask Mr. Dreer he says Mr. Eisele did it.

Whichever way the truth lies the monument is big enough to do for both, and at all events Mr. Eisele is universally recognized as the foremost man in his line today. Not only that, but a Herculean worker. Seventeen hours a day is nothing to him. If work calls—which means duty and necessity to him—the day of rest set apart by Divine command has to be sacrificed, and those other days of rest set apart by a patriotic republic are not even given a thought—they practically don't exist for J. D. Eisele. He is the real and only original tireless and sleepless florist!

M. RICE & CO.—Started in 1885 as the Philadelphia Immortelle Design Co. at 904 Filbert street; changed in 1892 to Marschuetz & Co., and on the death of Mr. Marschuetz in 1894 assumed its present title. While originally specialists mainly in immortelles, the business gradually broadened until it now covers the entire field of florists' supplies. The firm is now composed of M. Rice and B. Eschner, and occupies its own five-story fireproof building at 1220 Race street, designed and built specially for this business. When this building was erected less than 10 years ago the problem seemed to be what to do with all the room, but additional warehouse space has now become necessary. The concern manufactures its own specialties to a large extent, as well as importing from all parts of the world, and there is scarcely a town of any importance in North America but what holds one or more of its customers. Mr. Rice states that their fiscal year ending July 1st last was the best in their history.

ROBERT CRAIG CO.—This business is celebrating the fiftieth anniversary of its foundation—the father of the present head of the firm, Alexander Craig, having started in the florist business in 1859, down in what is termed by Philadelphians "The Neck." In 1864 moved to 15th and Pine street; continuing there until 1871 when the firm of Craig & Bro. was formed, with a retail store at 11th and Walnut street, and greenhouses at 49th and Market streets. Robert and George Craig were the partners, George taking charge of the retail end. This continued for twenty years until 1891, when the rapid specializing of the growing business made it advisable to operate independently. Robert took

over the greenhouse plant and operated same under the title of Robert Craig & Son. Fourteen years later (in 1905) the concern was incorporated as The Robert Craig Company, with Robert Craig, president and Robert A. Craig, his son, as secretary and treasurer. Another son, W. P. Craig, has recently been admitted as vice-president. All the members of the original firm are more or less interested in the new company financially; but the active management is in the hands of the president and secretary. The glass area is about 110,000 square feet. The 49th and Market street locality is rapidly building up with residences and is now too valuable for greenhouses so the intention is to move the entire plant in a year or two to Norwood, a suburb nine miles southwest of Philadelphia on the Pennsylvania R. R., where a tract of land was bought some ten years ago, and where greenhouse building has been actively going on during the past year in anticipation of this move. When completed this establishment, Mr. Craig says, will be unsurpassed in the country for convenience and compactness. The great specialties of the company are foliage and flowering plants; palms, ferns, crotons, rubbers, begonias, cyclamens, lilies and all kinds of Christmas and Easter plants. A considerable space is devoted also to cut flowers, principally roses, carnations and gardenias. In meritorious new plants Robert Craig Co. are usually among the leaders. They were the first to demonstrate the commercial value of the Crimson Rambler rose as an Easter plant. They were prompt in adding others of this family. They captured the original stock of *Ficus pandurata* when others could see nothing in it; brought it to this country and quickly demonstrated that it was one of the greatest foliage plants of the century. They were large factors in the introduction of the Lace Fern (*Amerpohlii*), and for the past twenty years have had much to do in the introduction of new forcing roses, even including that great staple, American Beauty, either independently or in conjunction with others. The same with many good carnations. In short, for two decades Robert Craig has been one of the foremost in seeing merit in new things, and has done a striking service to American floriculture in demonstrating the value of these introductions. His judgment has seldom been at fault in this connection. In this short sketch we have dwelt purposely on the

NOTICE

Nurserymen, Florists, Landscape Gardeners and Large Planters

Send your Planting Lists for estimate to the Dingee & Conard Company, West Grove, Penna. They can supply good stock at lowest prices—clean, thrifty, well grown on deep, well-cultivated land, and not forced—guaranteed to give satisfaction.

ROSES

Field Grown. Pot Grown. All Sizes. Fall Delivery.

Our Collection embraces between seven and eight hundred named varieties on their own roots, and we can supply almost any order, large or small.

CHRYSANTHEMUMS

HARDY SHRUBBERY

CANNAS

Dormant roots for Fall delivery.

CARNATIONS

FERNS

FUCHSIAS

DAHLIAS

Dormant roots for Fall delivery.

***Miscellaneous Hardy and Half-Hardy Stock
of all kinds.***

THE DINGEE & CONARD COMPANY

The Leading Rose Growers of America

WEST GROVE

CHESTER COUNTY

PENNSYLVANIA

U KNOW US

LETS KNOW U

"RICE STANDARD"

SEE OUR EXHIBIT AT THE CONVENTION OF

Up-to-Date Florists' Supplies-Ribbons-Chiffons-Nettings and Baskets

ALL THE NEWEST

OUT OF THE ORDINARY

FOR THE GET-THERE FLORIST

It will pay you to SEE OUR EXHIBIT

The Leading Florists' Supply House
and
Ribbon Specialists

ORIGINATORS**M. RICE & CO.****IMPORTERS and MANUFACTURERS**

1220 Race Street

PHILA., PA.

business achievements of Robert Craig, as these are not so often emphasized in current literature as are his winning personality and his fame as a leader and speaker in social and professional movements. Men like Rockefeller may take pride in their vast accumulations, achieved by craft and combination and the ruin of the honest unwary; but men like Robert Craig have done far more admirable things—they have worked to beautify and enrich the world and will leave a sweeter fame behind them and more enduring when their time comes to be gathered to their fathers.

PENNOCK BROS.—This retail florist house was founded forty-five years ago by Abram L. Pennock. The location was then on 12th street between Market and Chestnut street. In 1866 his brother Joseph Liddon Pennock was admitted and the firm name became Pennock Bros., which it has remained ever since. On account of failing health J. L. Pennock retired and shortly thereafter Thomas Cartledge and John Westcott became partners. The present members of the firm are J. Liddon Pennock, (a son of Abram L. Pennock) and A. B. Cartledge, (a son of the late Thomas Cartledge). The store is located at 1514 Chestnut street and is a model for completeness and up-to-date equipment. Notwithstanding keen competition, brainy and aggressive rivalry, this old house holds its own, getting its full share of the *creme-de-la-creme* of the flower trade of Philadelphia.

GODFREY ASCHMANN.—In the florist business at 1012 Ontario street since 1886—previous to that he had been a jobbing gardener for seven years. His three sons—John, Howard, and Edward—are now associated with him in the business, which has grown to considerable proportions. Mr. Aschmann makes a specialty of flowering and foliage plants for Christmas and Easter—particularly begonias, azaleas, lilies, palms, and araucarias. He does an extensive shipping trade, having worked this up by unique advertising methods through the trade papers. The glass area is estimated at 25,000 square feet. Much of the stock offered for

sale is imported—Mr. Aschmann making frequent trips to Europe for the purpose of selecting the best bargains.

DINGEE & CONARD CO.—"The home of the rose"; located at West Grove, Pa., about two hours from Philadelphia and tributary thereto. Charles Dingee at the age of 85, the original head of the firm, founded in 1850, is still hale and hearty and while interested is not now engaged in the active management of the company. The concern is now conducted by younger men who grew up under Mr. Dingee's able training. Probably the most widely known of these younger men to the commercial trade is P. Joseph Lynch, the financial man of the company and its general manager. This company has the unique distinction of being the first to grow roses on their own roots and, when these had developed into sturdy little plants, to offer them by mail at popular prices. They are the original mail order house as far as the rose is concerned. The establishment has 70 greenhouses devoted almost exclusively to growing roses. Hardy shrubbery and other outdoor stock is also grown at West Grove and Charlotte, N. C. The Charlotte nursery is devoted mainly to the production of large two, three and four-year-old roses for which the demand has been rapidly increasing—although the mail order trade for smaller plants shows no signs of waning. Mr. Lynch when interviewed on this subject of larger or smaller roses, had this to say:

"We are often asked the size of roses most preferable, and our invariable response is that that is a matter that can only be decided by the purchaser. One-year-old roses give splendid results, and the only difference between them and the older plants, is in the comparative yield of flowers. The two-year-old roses, of course, produce a larger quantity of flowers the first year, while the three and four-year-old are more desirable for immediate effect. Owing to the reasonable price at which we sell one-year-old plants it is possible, for a small sum, to purchase quite a collection and we find the demand for the one-year-old roses has in no way diminished."

On being asked if the "little slips"

that were sent through the mails gave much satisfaction, Mr. Lynch was quite emphatic in denying that the term "little slips" described the roses they sent out. Continuing, he said, "What we do sell are strong and sturdy, grown in Nature's own way, backed by half a century's experience of knowing how—no dark secrets—just plain, ordinary common-sense methods, a little brains and the consciousness of a reputation for square and honest dealing to sustain."

PEACOCK DAHLIA FARMS.—This is the incorporated title of the greatest dahlia enthusiast of the present generation, Lawrence K. Peacock. Although located across the river at Williamstown Junction, in New Jersey, the establishment is essentially within the business zone of Philadelphia. Away back in 1884 while yet in his teens L. K. Peacock started in an amateur way with a collection of a dozen varieties such as Arabella, A. D. Livoni, Frank Smith and others of what he now calls "the old guard" but which, notwithstanding all the improvements of the past 25 years, he still considers worthy of a place. To him more than any other man the dahlia in America owes its popularity in this generation. Fifty or sixty years ago it had its day as now; but the revival of the present only began about fifteen years ago—and Peacock was its prophet, priest, and king. The Peacock Dahlia Farms cover about 115 acres—50 of which are entirely devoted to dahlia culture. For twenty-five years, hardly a flower show has taken place within hundreds of miles during dahlia season but what Mr. Peacock has attended with exhibits of his favorite—showed them lovingly, talked about them to everybody enthusiastically, lectured about them until the whole world and his wife simply had to sit up and take notice. He has written books about them, compiled catalogues and penned articles innumerable for magazines, newspapers and trade journals. Today he is still at it as enthusiastic as ever. His two latest sensations: Jack Rose, crimson, and Virginia Maule, light pink, he considers the best cut-flower sorts yet introduced.

See Our Exhibit at the Convention

WE EXTEND

A Cordial Invitation to Convention Delegates

[TO] VISIT GOING OR COMING

ROBERT CRAIG CO.

49th and Market Sts.,

Philadelphia, Pa.

MANY THINGS OF INTEREST

We may mention particularly

Ficus Pandurata

In Grand Shape.

Nephrolepis Amerpohlil

The Peerless Fern.

Lorraine Begonias

The largest and finest stock in the Country. Send for Sample.

Cyclamen

Our famous strain — a large Stock in all Sizes.

Otaheite Oranges

[Crotons]

Dracaenas

Cyclamen

Cardenias!

Take Market St. Trolley Car Marked **"63rd and Market Sts."** to 49th St.

TWENTY MINUTES FROM BROAD ST. STATION

Or **"Elevated"** to 52nd St. Station, Ten minutes from Broad St. Station

And Walk Back Two Blocks.

Plant Your Calla Bulbs Now



to have them bloom for Christmas and

**Bear in Mind that You Must Plant
Clean, Healthy Bulbs** THE JAPANESE BULBS
HAVE PROVEN SO

WE HAVE THEM

Just received a Shipment from Japan selected size Bulbs, they look fine, sound and clean. We offer these now as long as they last at

\$7.50 per 100, \$70.00 per 1000

Order Now as they will not last long

See Us at the Convention and Look at the Callas

HENRY F. MICHELL CO., SEEDSMEN AND BULB IMPORTERS
1018 & 518 Market St., Phila., Pa.

SWEET PEAS AT FORDHOOK IN 1909.

W. Atlee Burpee & Co. had on trial this year 723 samples of tall varieties of sweet peas; 15 samples bush varieties and 27 samples of Cupid varieties. Before looking over the samples from spring-sown seed it is interesting to go over the vines that were produced from samples sown late last summer, and early and late fall. A number of the leading varieties were sown at three different times in order to ascertain the advantages of fall planting. The vines from seed sown in September did not carry through the winter. Vines from seed sown in October carried through fairly well, but the very best lot were those produced from seed sown early in December, when it was just cold enough to keep the seed dormant until the spring rains and sunshine warmed up the ground gradually, causing the seed to swell and make a fine lot of roots before real hot weather set in. If you have some well drained-soil it would be worth your while to try experimenting with a sowing of some sweet pea seed this fall, or really during the early part of the winter or about December 1st to 10th. In this connection Ernest F. Hoehl's plan of running a board up each side of the row and covering with panes of glass will hasten flowering by at least two

weeks. This brings the flowers in at a time when the commercial demand for same is very good. I will get Mr. Hoehl to give us full particulars later.

As one passes down the long rows of the older or grandiflora types they must stop to admire the beauty of these flowers and, after all, it is a question whether for the general planter the Spencer varieties are destined to displace these older sorts. There are some magnificent flowers on the grandiflora vines—color good and stems long, but the size is small as compared with the Spencer varieties, of which we find in the trials this year almost every known variety or departure in color.

Mrs. Routzahn Spencer.—This, unfortunately, like some of the varieties that preceded it, has not held true to type, but the correct flowers are really superb. The color is buff or apricot brown, lightly overlaid with delicate light pink.

Othello Spencer.—Color the same as in the old grandiflora. The size of bloom and length of stems are tremendous as compared with the older variety.

Senator Spencer.—One of the four new varieties Burpee & Co. purpose introducing in 1910. The ground color is light heliotrope, with stripings and flakings of deep violetish maroon.

Miriam Beaver.—One of Burpee's four new sorts. One of the handsomest of all the Spencer varieties now on trial, the color a combination very difficult to describe. The flowers are nearly a self color—rich salmon pink, tinted with buff, the ground work primrose.

Prince of Wales.—Another of the

Burpee four for 1910. In color identical with the older variety, or it could be put down as simply a rosy crimson self.

America Spencer.—A sample from stock seed on which they are now working and the variety will not be ready for introduction for a couple of years. This is very similar to the English variety sent out under the names "President" and "Paradise Red Flake."

Ramona Spencer.—This was sent out last year and is a beautiful variety. The soft pink tinting on the white ground makes a combination that will harmonize well with any other color.

Dainty Spencer.—Just a few seeds planted for trial of this variety, which will probably be offered to the public by 1911 and will perhaps be known by the English name, "Elsie Herbert" (although some in the trade are endeavoring to avoid a multiplicity of names as far as possible), but Elsie Herbert in color reminds one more of Modesty.

Helen Lewis.—This is very fine. The rich crimson-orange standards contrast well in color with the orange-rose wings.

Burpee's White Spencer.—We are very glad to see it here perfectly pure and true and the substance of the flowers, color and length of stems makes it without exception the very best white in cultivation.

King Edward Spencer.—One of Burpee's introductions for 1909 and we are glad to note that it came perfectly true. Stems very long, the flowers extremely large and the color is intense carmine scarlet.

Queen Victoria Spencer.—Another of

DEDWORM**(Formerly Pullman's Powder)**

Insect and Worm Destroyer. Kills Worms and Ants, Cut Worms and all kinds of Insects. Also acts as a fertilizer to ground.

Packages from 1 lb. to 100 lbs

5 lb.....35c	50 lb.....\$2.75
10 lb.....65c	100 lb.....5.00
25 lb.....\$1.50	1 lb. Carton.....20c

Price by Ton upon Application.

NICOBACCO Bug Destroyer

Use a Spray for Thrip, Red Spider, Black Fly, Etc.

Price 1/3 pt.....90c	1/2 gal.....\$5.00
1 pt.....\$1.40	1 gal.....9.50
1 qt.....2.75	5 gals.....40.00

TREEINE

Spray for Trees and Shrubs. Guarantees to kill Caterpillars.

Dilute 1 pint Treeine to 50 pints water.

1 Gal.....\$ 3.00	
10 ".....12.00	
25 ".....18.00	
50 ".....30.00	

PURE TOBACCO DUST

For Dusting and Burning.

100 lbs.....\$3.00	
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Made by **Philadelphia Insecticide Co.** **GERMANTOWN, PHILA., PA.**

ORDER NOW

Your Season's Supply of the Great

Cut Flower Dahlia**"JACK ROSE"**

Special inducements for regular orders on this and all the other good

CUT FLOWER DAHLIAS

Regular supplies all through the flowering season

DAHLIA ROOTS

For Fall Delivery. Book your order now. Send for special quotations.

PEACOCK DAHLIA FARMS**Williamstown Junction, New Jersey**

the introductions of 1909. Did not hold true to type but we are assured that with the careful roguing done on the crops this year that seed as offered for sale will prove very satisfactory. The color is deep primrose flushed with rose.

Beatrice Spencer.—Although rather smaller flowered than some of the other varieties, is very pretty and is an exact duplicate in color of the old Princess Beatrice.

Mrs. Sankey Spencer is another variety of which the flowers are a trifle small and may best be described as being a black-seeded white.

As we go down the rows looking over the different samples we note that it is not only the American stocks of the newer Spencer selections that break, but many English stocks here on trial for the first time have broken quite as badly and it seems to the writer that really there has been perhaps a bit too much haste on the part of the dealer to place these newer sorts on the market.

Apple Blossom Spencer is perfectly beautiful, the large standards contrasting well with the softer colored wings.

Lovely Spencer.—Another 1909 introduction. Is very pretty, the wings being soft pink with blotch of rose at base and the standard being of the same shade of pink with a dash of dark rose in the midrib.

Tennant Spencer.—Another of the 1909 introductions. This is the same color as Dorothy Tennant. A rosy purple varying to a magenta shade.

Florence Morse Spencer is a superb variety and has been; we understand, offered in England under several different names.

Burpee's Primrose Spencer, we are also pleased to say, has responded to severe treatment and is now very pure, indeed.

Asta Ohn is a beautiful new variety of a very delicate shade of lavender.

Lady Althorp from across the pond is the same as Mrs. Sankey Spencer.

W. T. Hutchins.—This variety, named in honor of the Rev. Mr. Hutchins, is in color precisely the same as Stella Morse, which we would describe as being light apricot shaded with beautiful bluish pink. This is the fourth variety that Burpee & Co. expect to introduce in 1910.

Aurora Spencer.—When the variety having the same name of the grandiflora type was introduced several years ago it was thought much of but, really, this new selection now with all the Spencer characteristics is superb. It bunches beautifully and should quickly become very popular.

Mrs. A. Brown.—An English variety. Was found to be the same as Asta Ohn.

Evelyn Hemus, a very delicate pink on cream ground, is similar to Mrs. Routzahn but considerably lighter in color.

Mrs. A. Ireland, introduced in 1909, is quite similar to Burpee's Apple Blossom,

but it differs in that it is on a cream ground while the American variety is on a white ground.

Dobbie's Mid-Blue, while not of the Spencer type, is very pretty. Entirely distinct as to color, which it holds well, not being marbled any by the hot sun. It is a lighter "Navy Blue."

To go over the entire list of the Spencer varieties alone and attempt to describe each sample would probably require an entire number of our publication.

Before bringing this report to a close we feel as if we should again call attention to the value of St. George as the best of the orange or salmon class of sweet peas and a variety of which the blooms attain such size that in some instances they wave, or crinkle as do the Spencer varieties.

GEORGE C. WATSON.

NOTICE!

Edward Reid can supply you with everything seasonable in

CUT FLOWERS

at all times. An important feature in all out of town shipments is **PACKING**. We know how. This and **QUALITY** accounts for our success.

Edward Reid, 1526 **Ranstead St., Philadelphia**

During Recess

CHICAGO FLORISTS' CLUB.

Oh You Little Old Twenty-fifth Anniversary Convention S. A. F. O. H.



Is Chicago Going to the Convention?
Well, We Guess Yes!

We want you and your best girl, and the kids and your neighbors to go with us. Will you go? Send a postal quick and say how many will come with you. We want to be sure there is enough ice water and things to go around. Get in quick, because General Wiley (he owns the Monon Road) says he can't pull more than twelve cars on this special, and if you don't line up early you may have to sit on the hind steps and not take part in the cotillion (good word that; we don't know what it means, but think it will be that, or that will be it).

Everybody pays his own freight but Chicago "furnishes the trimmings."

We are going to have the slickest special train that ever went south; vestibuled so you can't fall off.

We shall pull out of Dearborn Station on the Monon—C., H. & D. at 2.30 p. m., Monday, August 16th next, sharp (that is if J. C. Vaughan isn't late; but we shan't wait for him long, because he will get there anyway).

We shall cut Indiana in two and pick up Koles of Kokomo, Carmody, the poet from Posey, Bertermann, Weigand and the other old war horses from Indianapolis, and we'll take Gurney Hill, dear man, to our manly bosoms, and father Dorner, too.

NOTE.—President Valentine will not be allowed to have his "bum bowlers" practice in the aisles of the cars. No bowling for them except in the buffet car. This is the only thing we shall refuse the great man this trip.

There will be music all the way. The Little German Band has been cleaned and renovated for this occasion. The famous impresarios, Monsieur Edouard Wintersohn, Don Carlos Mackellarr and Leonardo Killinski will not only render solos but join in the toot ensemble, giving Wienerwurstky's symphony.

There will be more kinds of music than you ever heard before, and the whole state of Indiana and part of Ohio will know that President Valentine and the Chicago Florist Club are going to the convention.

There will be a myriad of other attractions.

The sylphlike danseuse, Filfoley, will do the Salome dance (if we can get cloth enough for the tights). Think of it! That petite, willowy, three hundred and twenty-nine pound gazelle, Baby Foley, in tights. Sure no one can ask more than that.

George D'Asmus will pull off a few

stunts. That marvellous wizard, Nick Wieter, will perform a few sleight-of-hand tricks with cards, assisted by Billy the Kid (well), who will also play the bones. The wonderful Poehlmann Bros. will perform their hair-breadth, dare-devil, acrobatic eccentricities, and Arnold Ringier will play the balcony in Romeo and Juliet.

There will be hosts of other attractions, mostly equally good, better or worse.

Buy your ticket by the Monon and C., H. & D. Railroad and come along.

Be a live one now, you'll be a long time dead.

WRITE—'PHONE—TELEGRAPH or TELL P. J. FOLEY, Chairman Transportation Committee, Chicago Florists' Club, Twenty-sixth street and Western avenue, Chicago, Ill.

REMEMBER the President's Special by the Chicago Florists' Club, assisted by the Monon Route—C., H. & D. Railroad, MONDAY, AUGUST 16, 1909, 2.30 p. m.

FLORISTS' CLUB OF WASHINGTON.

The annual outing of this club was held at the Great Falls of the Potomac on Thursday, July 29th. Special cars were beautifully decorated in oak leaves and flags. It was a jolly crowd that spread over the beautiful grounds at the falls. The afternoon was spent in all kinds of games and sixteen races were run, for which prizes were offered by members of the club. Not until about 10 o'clock did the greater number of the merry makers feel inclined to turn their faces homeward, all averring that it was one of the most pleasant outings that the club had ever enjoyed.

INDIANAPOLIS FLORIST CLUB.

The Indianapolis Florist Club picnic was held July 29, with a large attendance. A spirited game of ball between the north and south side florists was won by the former by one run, the score being eight to nine. Numerous other events for men, women and children took the greater part of the afternoon and were much enjoyed.

DETROIT FLORISTS' CLUB.

The Detroit Florists' Club enjoyed its annual picnic at Bois Blanc Park on Monday, August 9, going by Steamer Columbia.

Nature copied our daily habit of watering everything thoroughly in the early morning for copious showers came down and caused considerable disappointment, but shortly after getting under way the clouds cleared away and the boys and their families spent a lovely day of recreation and sport. Among the out of town florists present were Mr. Boehringer of Bay City and Mr. Flessinger of Lansing.

Within fifteen minutes after the boat landed Capt. Rahaley and Capt. Charvat had their teams lined up on the diamond and an extremely spirited game was played, finishing with a score of 15-14 in favor of Capt. Charvat.

The rest of the program was carried out with many contestants to each event. The winners were:

Boys' race, under 10, Myron Bloy, Howard Knope; under 16, B. Pautke, Thos. English.

Girls' race, under 10, Olive Frey, Mildred Unger; under 16, Olive Frey, Ella Pautke.

Men's race, Hugh Watson, S. Beard. Fat men's race, Fred Pautke, Ferd Barker.

Ladies' race, Jennie Watson, Etta Holman.

Three legged race, Beard and Vargo, Miesel and Brown.

Running broad jump, Hugh Watson, T. Beard.

Hop, skip and jump, H. Watson, S. Charvet.

Shoe string race, Tracy Miller, Ed. Pautke.

Tug of war, East Side. Quoits, M. Bloy.

A FARMERS' PICNIC.

A farmers' picnic will be held at "Park White City," Chestnut Hill, Pa., August 26, 27, and 28. Farmers' products, agricultural implements, and industrial work will be among the exhibits. The seedsmen, florists, and nurserymen have been invited to attend, and also to exhibit some of their specialties if possible. James K. Thomson, the secretary, has an office at the park, and will be glad to hear from anyone interested. Prizes will be awarded.



GREEK AMERICAN FLORISTS' PICNIC AT WETZEL'S POINT, NEW YORK

FIELD-GROWN CARNATION PLANTS

Good thrifty plants, free from disease

	Per 100	Per 1000		Per 100	Per 1000
White Enchantress	\$6.00	\$50.00	Melody	\$5.00	\$40.00
White Perfection	6.00	50.00	Splendor, Wm. Scott		
Enchantress	6.00	50.00	shade of pink	7.00	60.00
Winsor	6.00	50.00	Lawson-Enchantress, cerise	7.00	60.00
Rose Pink Enchantress	5.00	40.00	Mrs. T. W. Lawson	5.00	40.00

CHICAGO CARNATION CO., JOLIET, ILL.
A. T. PYFER, Mgr.

A. N. PIERSON, Inc., Cromwell, Conn.

WHITE KILLARNEY (Waban Strain)

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SETTLED. RUSH UP**

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Importations Larger Than Ever

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Send for our list. The very choicest
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The Most Complete Treatise on this Subject.

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A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.
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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelpp, Prop., Chatham, N. J.

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J. C. Schmidt, Bristol, Pa.
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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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E. A. Butler & Son, Niagara Falls, N. Y.
Lorraine Begonias.
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"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschel Bros. Co., 466 Erie St., Chicago.
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Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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5000 Field-grown Carnation Plants, No. 1 stock; White and Pink Enchantress, White and Pink Lawson, Lady Bountiful, White Perfection, Victory, H. Fenn, \$5.00 per 100. R. Engelman, Pittsfield, Mass.

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Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
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Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

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Jardiniere Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000, Rose Hill Nurseries, New Rochelle, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle Manure.

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Red Pots, Seed Pans, etc.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

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H. A. Dreer, Philadelphia, Pa. Peerless Glazing Point.

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America. J. G. Esler, Saddle River, N. J.

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HYDRANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

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Nicotine kills all greenhouse pests. P. B. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

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Eastern Chemical Co., Pittsburg St., Boston.

"IMP" Soap Spray.

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INSECTICIDES — Continued

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

JAPANESE PLANTS

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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

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Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordonez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-ton, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

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Giant Prize Pansy Seed.
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The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.
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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.
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Peonies—The best French collections. List of new varieties now ready. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebr.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.
Iron Pipe.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinensis.
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Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co., Cauliflower and Cabbage Seed. Langangstraede 20, Copenhagen, Denmark.
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John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 2½-in., \$1.50 per 100; \$10.00 per 1000. Cash please. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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Deming Spray Pump.
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Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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Wirework. Write for our catalogue.
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William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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PLANTS.**

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**Seasonable
Offers**

If you should read
them through

PERHAPS

You would find some-
thing there that you
want.

What Do You Think?

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Obituary.

Professor William H. Ragan.

Prof. W. H. Ragan, Assistant Pomologist and Expert in Nomenclature, Bureau of Plant Industry, Department of Agriculture, passed away at the Homeopathic Hospital in Washington, D. C., Friday, August 6th at 4 p. m. He was a prominent figure in American pomology and has for a number of years held an important position in the government service. He has written many volumes on pomological subjects and his reputation is world wide. He was Secretary of the Indiana Horticultural Society for nearly forty years; he was superintendent of Pomology at the Cotton Centennial at New Orleans in 1884-5, and held the position of secretary to the Mississippi Valley Horticultural Society for some years and was secretary of the Committee of Awards in the Department of Horticulture at the Exposition in Chicago, 1892. For many years he has been Chairman of the Revision of the Catalogue of Fruits for the American Pomological Society and has been a lifelong member of that Society, doing much for the cause of fruit growing throughout the country, especially pioneer work in the states beyond the Mississippi river. He was born in Putnam Co., Indiana, in 1836 and was the son of the late Reuben Ragan, a well-known pioneer pomologist of that state. He is survived by his wife, Mrs. Emily Sherwood Lee Ragan of this city, and his two daughters, Mrs. N. E. Woods, Clayton, Indiana and Miss Belle Ragan of Chicago, Illinois. Mr. Ragan was secretary of the Indiana State Board of Horticulture for ten years and was later president of that board. He was a trustee of Purdue University for some years and served one term in each branch of the Indiana State Legislature, and though in no sense a politician, he did this at the unanimous demand of his constituents. He was a man of sterling worth, ready wit, keen insight, and his versatility on pomological subjects has rarely been equalled. His death is an irreparable loss to the cause of pomology the world over. Mr. Ragan was a cousin of the late John Clark Ridpath, the well known historian.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED—I have 16 years of horticultural experience in care of private estate and as grower of orchids and all kinds of in and outdoor growing and in florist's and landscape work. I am thirty-two years of age; married; no children; Swedish (American citizen). References. Particulars in first letter, please. L. M. G., 26 Rockdale Ave., New Rochelle, N. Y.

SITUATION WANTED by first-class greenhouse man; 13 years' experience in growing chrysanthemums and all kinds of cut flowers and plants. Good propagator. Reliable and sober. Please state wages in first letter. Address Martin Darsch, care Mitchell, 1298 Nostrand Ave., Brooklyn, N. Y.

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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

AMERICAN ROSE SOCIETY.

By direction of President August F. Poehlmann, a meeting of the American Rose Society will be held during the Convention of the S. A. F. at Cincinnati, Ohio, on Thursday afternoon at 2.45, or as near as may be, for the consideration of several important matters.

We would be pleased to have every person interested in roses join this society as a sustaining member. The coming exhibition will be held in the American Museum of Natural History, New York City.

BENJ. HAMMOND, Sec'y.

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CATALOGUES RECEIVED.

McFarland Publicity Service, Harrisburg, Pa.—Examples of Autochrome Color Engraving.

Wm. Elliott & Sons, New York.—Mid-season List of Pot-Grown Strawberries and Vegetable Plants.

Francis Brill, Hempstead, N. Y.—Wholesale Price List of Long Island Cabbage and other special seeds for market gardeners and other critical trade.

Routzahn Seed Co., Arroyo Grande, Cal.—List of Sweet Pea and Nasturtium Novelties of 1909 Introduction. Especially interesting to dealers who wish to handle the latest introductions for next spring trade.

Burnett Bros., New York—1909 Catalogue of Fall Bulbs. Colored illustrations of daffodils and tulips on front and back cover. A creditable catalogue, early to appear and sure to bring business to this enterprising young seed house.

J. A. Peterson, Cincinnati, Ohio, is sending out a set of handsome views

of his houses of Lorraine Begonias, Adiantum Farleyense, Pandanus Veitchii, Hydrangea Otaksa, etc., with invitation for a visit when at the Convention.

Atlas Portland Cement Co., 30 Broad street, New York, N. Y.—Manual of Concrete Construction about the Home and on the Farm. A finely illustrated book of 160 pages, giving full instructions for all processes in cement construction. Every greenhouse man should send for a copy. It's invaluable and it's free for the asking.

NEWS NOTES.

Forest Supervisor Bushnell reports that the seedlings which were set out this spring at the Muskrat nursery, near Boulder, Mont., on the Helena national forest, are doing finely.

In Los Angeles County, California, 70,000 trees were fumigated for scale last year, and vigorous measures have been taken this year. The report of the county horticultural commission on this point is interesting reading.

"Every Bug Has his Dose."

Insect-destroying preparations that do their work well and effectively are the cheapest. Bowker's Arsenate of Lead and Bowker's Pyrox are recognized standard insecticides and fungicides for both indoor and outdoor use. Bowker's Insect Emulsion destroys many kind of plant lice, black and green flies, etc. Call or send for catalogue.

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INCORPORATED.

El Paso, Tex.—The International Seed Co., to operate in the Southwest and Mexico; capital, \$100,000; Frank F. Nitchey of St. Louis, president, Al. Rosler, secretary.

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NIKOTINE APHIS PUNK, Box 12 Rolls 60c.	12 Boxes.....	\$6.50
NICO-FUME, Can of 24 Sheets, 75c.	144 Sheets.....	3.50
NICOTICIDE	Pints,	2.25
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CLAY'S FERTILIZER, 56 lbs.....	\$3.25
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1/2 Gallon.....	5.50
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PURE — UNIFORM — RELIABLE

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EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

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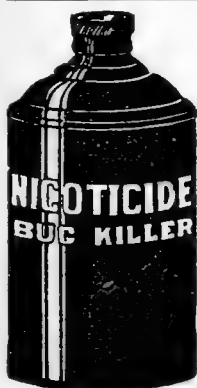
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MASSACHUSETTS HORTICULTURAL SOCIETY.

New varieties of phloxes were the feature of the exhibition, Saturday, August 7, at Horticultural Hall. There were other flowers, but phloxes predominated, and beside the displays of new seedling varieties of phlox there were several new gladioli. The special competition for the best five consecutive exhibits of hardy herbaceous flowers and plants continues with un-

abated interest, and played no small part in making this exhibition a showy one. In the latter class R. & J. Farquhar had a fine collection, in which phloxes were shown as the central feature, red and purple varieties predominating. These were backed by herbaceous flowers, and in front was a border of roses, including handsome Killarney. A novelty in this collection was a new species of lily from northern China. George Hollis showed a fine collection of named phloxes. B. F. Tracy was represented by some stunning seedling gladioli. Phloxes, gladioli and dahlias were shown by W. W. Rawson & Co., phloxes and other hardy herbaceous flowers by Bellevue Nurseries, Old Town Nurseries and J. F. Flood & Co. Among the private contributors were Mrs. J. L. Gardner, Wm. Whitman and Walter Hunnewell. Mr. Whitman's exhibit was quite extensive.

a generous donation from Mrs. T. J. Emery. Dahlias will be the main feature of the show and as they never looked better in this locality, it is safe to predict that the show will be a record-breaker.

Articles of incorporation have been filed by the Oregon Horticultural Society in order that it may legally receive a bequest recently left to it.



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NEWPORT (R. I.) HORTICULTURAL SOCIETY.

At a regular meeting of this society, held on the evening of August 10, another important addition was made to the premium list for the September show in the shape of a valuable silver cup offered by Rickards Bros. of Bridgman's Seed House, New York. This cup is placed for a table decoration to be competed for on the third day by Newport county gardeners; and Mr. S. G. Harris of Tarrytown, who was present at the meeting, also offered a liberal money prize for a vase of 50 H. T. roses. There is still another class added since the schedules were distributed, which is for a miniature flower border, and is provided for by

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 6 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of this club was held on August 3rd at 916 F street, with President Kramer in the chair and Jas. S. Carbery acting secretary. A vote of thanks was tendered Geo. Shaffer and committee for the successful way in which the recent outing was managed, also to Supt. Theodore King of Old Dominion R. R. for courtesies shown. (See "During Recess.")

It was voted that at the auto flower parade on Sept. 30th, the club enter a touring car decorated entirely with natural flowers, not in competition. A good part of the evening was spent in discussing the respective merits of the natural and artificial flowers for decorating cars. The consensus of opinion was in favor of natural flowers.

A cash donation was made for the committee to use for the purchase of flowers to decorate the car, and also for a cup to be awarded the handsomest car decorated entirely with natural flowers.

The acting secretary was instructed to ascertain from the Chamber of Commerce their attitude in regard to decorating with natural instead of artificial material; also to ask their views in regard to having two sets of judges, if both kinds of flowers are to be used, and to request that the club be allowed to appoint the judges for natural flower cars of out-of-town men.

President Kramer announced that the forthcoming flower show will be held at the old Masonic Temple from November 7th to 14th.

MARKET GARDENERS' PICNIC.

The first annual outing of the Market Gardeners' Association of Boston, will be held at Peddock's Island, Boston Harbor, Saturday, Aug. 14. Boats leave Rowe's Wharf at 6.20 a. m., then hourly from 9.20 a. m. to 8.20 p. m.

The list of events includes the usual races, ball game, jumping, etc., and a juicy time is promised. The seed stores and various market establishments have contributed silver cups for everything. The cups, numbering about two dozen, have been on display in the windows of H. E. Fiske Seed Co., and Schlegel & Fottler Co., and made a dazzling attraction for the market district.

NORTH SHORE HORTICULTURAL SOCIETY.

At the regular meeting of the North Shore Horticultural Society, August 6, the discussion was on "What Are Hardy Perennials?" and "Culture of Physotegia." The silver cup offered by Mrs. Philip Dexter for best and largest collection of vegetables to be competed for at the August show (August 25-26), was on exhibition.

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CLUB AND SOCIETY NOTES.

The grange at West Bath, Me., are planning for a flower show in August.

The Iowa florists will hold their annual meeting in Des Moines on September 1.

The National Nut Growers' Association will hold their annual convention at Albany, Georgia, October 12, 13, 14.

Secretary William Stuart of Burlington, is soliciting funds to be applied to an exhibit of the Vermont Horticultural Society at the New England Fruit Show in October.

Horticultural displays will be one of the leading features of the Ohio State Fair and Industrial Exposition at Columbus, August 30, 31, September 1, 2, 3. Liberal premiums are offered for fruits and flowers.

The Omaha (Nebr.), Florists' Club held their picnic at Manawa, July 29, under the able management of L. Henderson, Geo. Sorenson, Oscar Herman and Secretary Hess. All the florists closed their places of business for the afternoon.

The Inter-Town Dahlia Association met at the home of P. E. Carmody, in Ansonia, Conn., on August 2, and discussed plans for the approaching show. September 18 was selected as the date and Peter Zuger of Hartford, was chosen as judge.

The Gardeners' and Florists' Club of Boston will hold a field day at the nurseries of W. B. Whittier & Co., Framingham, Mass., on Saturday, August 14. They will leave Park Square, Boston, at 1 o'clock in the Boston and Worcester electric; running time, one hour; fare 20 cents.

The Northern Indiana Florists' Association held their annual meeting at Winona Lake on July 20. They were entertained by the Warsaw florists in

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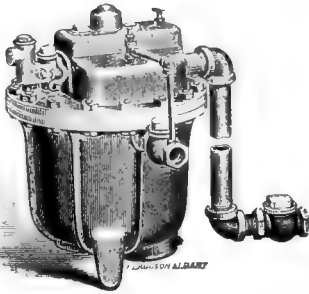


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the morning and at lunch. There were present, W. W. and D. C. Noble, Columbia City; Fred King, Rensselaer; Geo. Paster, Arthur Bieberick, and wife, Huntington; W. E. Hand and wife, G. W. Stumpner and wife, Argos; L. Isenbarger, Winona Lake; J. H. Shelton, Rochester.

Officers were elected as follows: President, W. W. Dedrick; vice-president, Harry White; secretary and treasurer, J. H. Shelton.



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Washington, Kan.—Penwell Greenhouses, one house.

Clay Center, Kan.—Chas. Humfeld, two houses, each 30x200.

Rutherford, N. J.—Julius Roehrs Co., range of houses, 10,000 sq. ft.

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We can supply the following books, postpaid, at the prices listed:—

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Chrysanthemum Manual. Smith. Price, 40 cents.

The Chrysanthemum. Herrington. Price, 50 cents.

Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.

Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.

Daffodils-Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.20.

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929,436. Heater. John Horst, Harrisburg, Pa.

Minneapolis, Minn.—Lord & Burnham Co. have been awarded the contract for another greenhouse, an addition to the plant commenced two years ago by the Minneapolis park board. The house will be 18x92 feet. In connection with the above will be a temperate house 23x52. The cellar for bulbs and roots will be enlarged and will be 130 feet long including boiler room, when finished. Provisions are also made to have some commodious quarters, including bed and bath room for the head gardener, in the same building.

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Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

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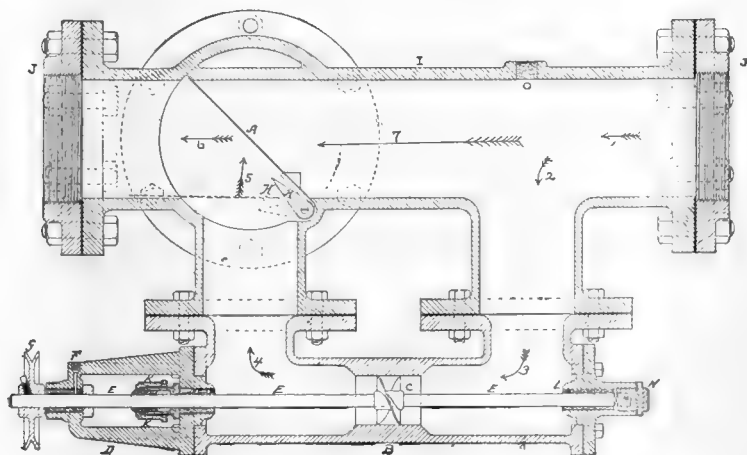
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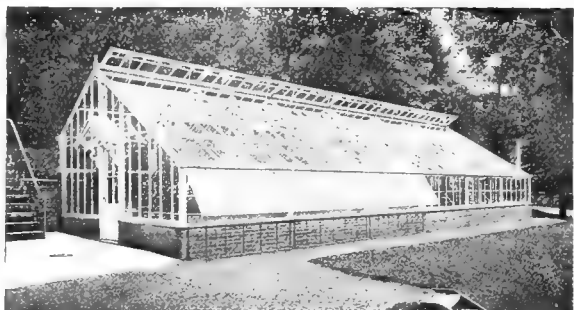
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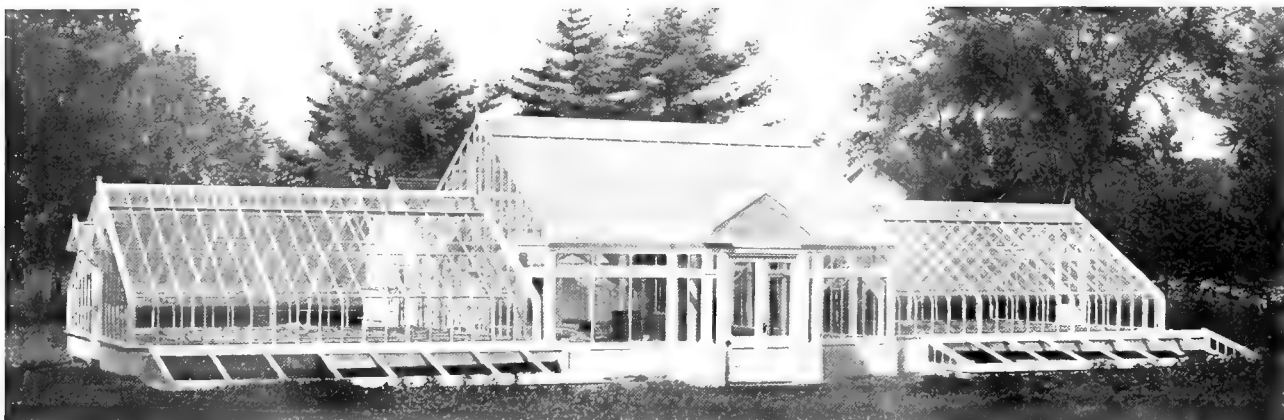
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Vol. X. AUGUST 21, 1909 No. 8



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6-in. pot, 6 to 7 leaves, 24 to 26 inches high	each, 1.25	Per doz., 15.00
6-in. pot, 6 to 7 leaves, 26 to 28 inches high	each, 1.50	Per doz., 18.00
7-in. pot or tub, 6 to 7 leaves, 34 to 36 inches high	each, 2.50	Per doz., 30.00
9-in. tub, 6 to 7 leaves, 42 to 48 inches high, very heavy	each, 5.00	
9-in. tub, 6 to 7 leaves, 48 to 54 inches high, very heavy	each, 6.00	

Kentia Forsteriana

5-in. pot, 6 leaves, 18 to 20 inches high	each, .50	Per doz., 6.00
6-in. pot, 5 to 6 leaves, 28 to 30 inches high	each, 1.00	Per doz., 12.00
6-in. pot, 6 leaves, 30 to 32 inches high	each, 1.25	Per doz., 15.00
6-in. pot, 6 leaves, 34 to 36 inches high	each, 1.50	Per doz., 18.00

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The Iris as a Cut Flower

If cut just before opening, and placed in water, irises often have a delicacy they do not have in the open. They continue to blossom a long time. One will bloom and remain open for days, then it wanes and another takes its place, and so the succession is kept up. If you are to ship them don't wait for full bloom, for then they are so fragile they are easily marred. We have been surprised at their adaptability as cut flowers. Often they have been thrown on the cellar floor just as they commenced flowering, and they would keep right on with their work for a week as though not detached at all. First the oldest flower would gradually fade, and then another would come out, and this would pass away, and there would be another recruit to fall into line. When they are to be shipped some distance they are gathered first before opening, and the most forward of the buds are wound lightly with raffia which is removed when they reach their destination, when they open beautifully.

It is astonishing, however, with what caution and reluctance people take to new things. The Iris is one of the most resplendent flowers for Decoration Day, fully equal if not superior to anything else offered. Yet notwithstanding their ravishing beauty they are rejected. People move in ruts. A few years ago the peony was ignored. It was nothing but a "piny"—no one wanted it. Years passed by, and finally their beauty and fragrance won a place, and people cannot get enough for Decoration Day. If they can't get roses, carnations, and peonies, they consider themselves wronged, and the florist has abused them by not furnishing them their pet flowers.

A lady goes to buy flowers for a friend's grave. Roses and carnations are gone. But here are the glorious Chalcedonias, the fragrant and splendid Palidas and the exquisite Elegans of elysian beauty—the fairest flowers that ever opened their petals to the sun, surpassing by all odds anything offered, but the lady says, "Yes, they are pretty, but I wanted carnations," and she goes out with a long drawn sigh and tells her friends "I couldn't get any flowers today." A tear trembles on her eyelashes as she says with most pathetic voice, "The grave of my dearest friend must go unadorned." If you would hand her one of the most exquisite flowers plucked from Paradise itself, no matter how alluring its loveliness, how exquisite in form or attractive in fragrance she would reject it because it was not a carnation or a rose. We have seen the most charming bouquets of columbines of red, white and blue put up in the most tasteful manner for soldiers' graves rejected for some inferior, insignificant things because they were called roses and carnations. This is rather a cruel snub for some of the most charmingly dressed visitors that ever came to earth.

Instead of eternally traveling in the ruts and confining one's self to two or three favorites it is better to reach out and give a cordial welcome to all—to the whole procession of beauty.

We have seen beautiful bouquets of pyrethrums with their cheerful and winsome smile rejected because "I am not acquainted with them."

It will not, however, be many years before irises will find their way into the admiration of those who love the beautiful. Their long season of blooming from April to August, their surpassing beauty and fragrance will give them a prominent place. The finer sorts are yet rare and by the time they are raised in quantities to meet the demand they will receive cordial reception. At first the peony had to combat the reputation of the old-

fashioned "piny"—people remembering the ill smelling flowers of their mothers and could not believe the modern ones were as fragrant as the rose.

Talk to them of the Iris which is woven with the deft skill of Him who put the garments on the sun and painted the petals of the violet and the rose and they say, "Oh, yes, we know them. They are nothing but flags. They used to grow by the thousands in the swamp back of our house." They ignore the 169 other kinds which didn't grow in their swamp, with the numerous hybrids which have gathered all the tints of earth and sky into their radiant garments.

York, Nebraska.

C. S. Harmon

Ixoras

Among all the greenhouse flowering shrubs the genus *Ixora* deserves to take a high rank. Their fine deep green foliage, and fine attractive flowers, together with their good keeping qualities, deserve better recognition from plant lovers than they get. The natives of Malabar where some of the species are found, thought so well of them, in bygone days, that they tendered them as an offering to their god *Ixora*, hence the name. It may be, that the memory of the humid stove heat that they used to be grown in, in the old country, deters plantsmen here from growing them much. But in this country, in the summer, they do nicely in a slightly shaded ordinary greenhouse with plenty of air on it, and in winter I have seen them carried over in a temperature of 50 to 55 degrees.

Ixoras, are natives, mostly, of tropical Asia and Africa, but travelers tell us that they can now be found in nearly every tropical clime where the European has taken up his abode. The following garden hybrids and seedlings are among the best that are grown. *I. Chelsoni*, with flowers of bright orange-salmon, shaded with pink. *I. Colei*, a very free flowering variety, with large white flowers, a strong vigorous grower. *I. decora*, flowers yellow, flaked with rosy-crimson. *I. Dixiana*, undoubtedly one of the best grown; its dark orange flowers being produced freely makes it a handsome exhibition plant. It has a very vigorous constitution. Some of the older frequenters of Massachusetts Horticultural Society may remember how well Wm. Martin, gardener for N. T. Kidder, used to grow this variety. *I. Fraseri*, with leaves of a rich dark green, free and vigorous in growth, and brilliant salmon colored flowers. *I. Pilgrimii*, a fine hybrid, I believe from *I. Williamsii*, a good one for those who have not got control of much heat, doing well in a much lower temperature than some of the others. Flowers are of a bright orange-scarlet shaded with crimson. *I. profusa*, a fine exhibition variety with rosy salmon colored flowers, freely produced. *I. Williamsii*, a very free grower, flowers large, and of a reddish salmon color, one of the handsomest I have seen.

Ixoras are easily propagated. A piece of moderately firm wood, cut between the joints, with two leaves attached, inserted in sand, in a temperature of 70 degrees, will root in a few weeks. After they are rooted I find they grow very freely in a fibrous loam out of which all the fine material has been shaken. I have seen others do them well in peat, with a good mixture of silver sand through it. The above described cutting will generally start into two leads, and if rooted in spring will flower in summer, forming, if desired, cunning little plants, in two and two and one-half inch pots, which look very pretty, scattered around a dinner table, which has one

in a five or six inch pot for a centre piece. That size of plant can be grown in two years, with six or seven nice flowers on it, provided it be kept in vigorous growth and cut back about twice.

By a little manipulation in pruning and drying off one can have *Ixoras* in flower at various seasons. For instance, I have seen *Fraseri* flowered at Easter, in mid-summer, and quite late in the fall, and I think if some enterprising florist could get some two-year-old plants that have been rested a little, and prune out the centre of the shoots, in early summer, and start into vigorous growth, he could flower them for Thanksgiving or Christmas. After flowering, *Ixoras* can be rested, by withholding water and lowering the temperature from 70 to about 55 degrees. It is astonishing, considering that they are evergreens, how much drying off they will stand, if not done too suddenly at the start. I have seen them treated in this manner for two months, and when started into growth they seem to be more vigorous for it. If pruned at this stage, it certainly makes the shoots flower more evenly together.

Clay's fertilizer and cow manure water are good stimulants for *Ixoras* when in vigorous growth if applied carefully. The best thing I know of for keeping down insects on them is a 2-inch potful of kerosene added to three gallons of water and kept well agitated while being applied. This should be done every three weeks.

George F. Stewart.

West Medford, Mass.

The Constancy of Sweet Peas

An interesting discussion concerning the constancy of sweet peas took place last autumn and winter in the columns of "The Gardener" between Mr. Robert Sydenham, Birmingham, and Messrs. E. W. King & Co., Coggeshall, Essex. Mr. Sydenham was of the opinion that the new waved varieties would be liable to sport. Messrs. King & Co. offered to send for trial to University College gardens, Reading, ten varieties of waved flowering sweet peas, twenty seeds of each, and Mr. C. Foster offered to have them grown. Mr. Sydenham agreed to pay £10 to gardening charities and all expenses if there were not more than two rogues in any one variety. If any one variety produced three rogues then Messrs. King & Co. were to pay. The editor of "The Gardener" and Mr. Foster were to act as the judges. The plants are now in flower and the judges have furnished the following particulars:

Name of Variety.	Number of Plants that grew.	Remarks.
Evelyn Hemus	15	One rogue, bright rose color.
Countess Spencer	15	One rogue, rose colored.
White Spencer	18	True.
Mrs. Henry Bell	15	One rogue, purple.
Marjorie Willis	19	One rogue, light rose.
Blush Spencer	15	True.
Paradise Ivory	15	True.
Princess Victoria	16	True.
Mrs. Wm. King	15	True.
Malcolm's Waved Primrose	12	True.

It will be apparent that the trial is in favor of Messrs. King & Co., not one variety having given rise to two rogues, let alone three. This trial has proved to be one of great interest and value, and it is a matter for satisfaction to know that Waved or Spencer varieties of sweet peas will come true.

CHARLES FOSTER, H. H. THOMAS, Judges.

Notes from the Arnold Arboretum

The Maples which belong to our most ornamental trees figure among the new Chinese introductions to a considerable extent and even the following enumeration is not at all complete, those of doubtful hardiness in this latitude having been purposely omitted. The most interesting as well as distinct and graceful in regard to their foliage are the species with trifoliate leaves, a group peculiar to Central and Eastern Asia of which until recently only two species from Japan, viz., *Acer cissifolium* and *A. nikoense* have been in cultivation. The latter was introduced about sixteen years ago and has proved perfectly hardy at the Arboretum; and is particularly beautiful in autumn when the leaves turn bright scarlet; recently it has been discovered also in Central China. The other species of this group are all Chinese and have mostly smaller and more graceful foliage than *A. nikoense*. The most ornamental of them is probably *Acer Henryi* on account of its fruits which are bright red while young and disposed in pendulous racemes from five to seven inches long including the stalk; the elliptic or ovate leaflets are mostly entire, from two to three inches long and borne on long and slender stalks. Much smaller foliage has *Acer griseum* with ovate, coarsely toothed leaflets grayish white beneath and usually less than two inches in length; its fruits are disposed in small clusters. *Acer sutchuense* has the leaflets lanceolate in outline, crenately serrate and from two to three inches in length; the fruits are borne in short-stalked rather small clusters. *Acer mandschuricum* from Manchuria much resembles the last named species, but there are only from one to three fruits in a cluster; the leaflets are bluish white beneath and borne on slender bright red stalks. A very distinct species with undivided leaves from Central China is *Acer Davidi* with the fruits borne in long and drooping racemes; the oblong crenulate leaves are from three to seven inches in length and turn yellow or red in autumn. A graceful Maple is *Acer tetramerum lobulatum* with birch-like leaves which are ovate in outline and long-pointed, sharply toothed or even slightly lobed and from two to three inches in length. *Acer Franchetii* resembles somewhat the Sycomore Maple, the leaves are from three to four inches long with three to five short lobes. *Acer sinense* is also one of the large-leaved Maples with five-lobed leaves of bluish green color. Similar to the Norway Maple but smaller are *Acer laetum tricaudatum* with roundish leaves from two to three inches broad and furnished with three short, but long-pointed lobes and *Acer laetum tomentosulum* with somewhat larger leaves pubescent on the under surface and furnished with three to five long-pointed lobes.

A neat broad-leaved evergreen shrub which promises to be hardy, as small plants of it have stood during last winter uninjured, is *Sarcococca pruniformis* from Central China. It belongs to the Box family and is a small shrub with short-stalked entire leaves ovate in outline, pointed and from one to two inches long; the small white flowers are borne in dense axillary clusters and followed by small berry-like fruits of dark blue color.

Alfred Rehder.

British Horticulture

SWEET PEA ENTHUSIASTS

July has been a memorable month for the National Sweet Pea Society. The members have paid a visit of inspection to the official trials which have again been held in the gardens of the University College at Reading. On the following day a journey was made into rural Essex to view the seed farms of several leading growers who specialize in sweet peas. Essex is the largest seed producing county in Britain. Owing to the remarkable boom in sweet pea culture, an increased acreage has been set apart for this popular annual. One grower alone has 50 acres allotted to it. The seeds are drilled in in October, in lines about 20 inches apart. For spring sowing the growers either drill the seeds, or dibble the seed out in March. The choicest varieties are grown on sticks, and are sown or dibbled out in rows from five to six feet apart. The ground is carefully hoed during May and June. At the time of harvest the unstaked lots are cut down and set aside for the threshing operation. The mixtures are generally threshed by machinery, and the named varieties by hand, to obviate any risk of mixing the sorts. The Society's annual show, notwithstanding the adverse season, was a great success, the entries and quality alike being excellent. In the non-competitive section, W. A. Burpee, of Philadelphia, received a gold medal for an admirable collection, which included Orange Spencer, Helen Pierce, W. T. Hutchins, Lady George Hamilton, Primrose Spencer, and Mrs. C. W. Breadmore. This firm was included in the list of prize donors, as were also C. C. Morse and Co., Santa Clara, California.

SOME INTERESTING TRIALS

The Floral Committee of the National Sweet Pea Society have adjudicated on the varieties included in the Reading trials. About 350 stocks were submitted from the leading growers. The premier novelty is a waved cream, raised by W. J. Unwin, who has put several meritorious varieties on the market. A first-class certificate has been given to this novelty, which bears the name of Clara Curtis. Mr. Unwin likewise obtained an award of merit for a new scarlet flake, on a white ground. Charles Foster is the name of an introduction emanating from Mr. R. Bolton, and it has attracted considerable attention for its remarkable coloring—light mauve with bronze tinge; an award of merit has been allotted. The same raiser has another new-comer (Lancashire Pink), which was highly commended. Sun-proof Crimson, which if it justifies its title should be a great acquisition, was shown by Dobbie and Co.; this received an award of merit. The same firm's stock of Mrs. Henry Bell, was recommended by the committee as a good thing in that tint. Awards of merit were also granted to the following: Edrom Beauty, rosy orange, from A. Malcolm; Dazzler, similar to St. George, sent by C. W. Breadmore; The Colleen, with a bright rose standard, and lighter wings, shown by W. Deal, was recommended as a garden variety; and Queen of Spain

Spencer, from A. G. Stark, as a market variety. It is of a delightful shade of shell pink.

NITRO BACTERINE CULTURE

Professor Bottomley, in a paper recently read before the Royal Society, explained a discovery he had made that two varieties of bacteria working together actually give nitrogen to plants which do not belong to the leguminosae. Many experiments were needed before it became possible first to isolate the two varieties, and then combine them in a form which allowed of their being applied to plants so that the product of the partnership should notably stimulate and improve them. Prof. Bottomley has succeeded in doing this, and the non-leguminous culture of nitro bacterine is the result. In one case 500 hyacinth bulbs of equal size were planted out, 250 in each of two beds; one bed was watered twice with the culture; the other was not treated. The bulbs were weighed after being dried at the end of the season. The result showed 18.6 per cent. in favor of inoculation. In another case half a bed of parsnips was watered once with the culture; all the parsnips when ready were taken up and weighed. The treated half yielded 65 roots, the average weight being 6.55 ounces per root. The untreated half yielded 68 roots, the average weight being 5.38 ounces per root. This shows an increase of 21.7 per cent., each root averaging 1.17 ounces more than the untreated. The experiments carried out on grain crops also showed good results. Two crops were sown, and when weighed an increase of 83 pounds was found in favor of the treated crop. Pot experiments were also carried out, and, as is usually the case when exact conditions can be maintained throughout showed an even greater benefit from this bacterial partnership.

ITEMS OF INTEREST

The National Carnation Society recently held its annual show in London. The premier blooms were as follows: In bizarres or flakes, Admiral Curzon, a prettily marked white, red, and crimson variety; Picotees, Alcestes, clear white with pink edge; yellow self, Daffodil.—The members of the Horticultural Club have had a very enjoyable outing to Ascott, Leighton Buzzard, the residence of Mr. Leopold de Rothschild, and at Mentmore, Lord Roseberry's picturesque estate.—The recently formed National Vegetable Society has decided to hold trials of spring cabbages and winter onions. Mr. Alexander Dean has been chosen chairman of the committee, and Mr. Owen Thomas, vice-chairman.—At the Royal Horticultural Society's fortnightly show on Aug. 3rd, Messrs. Veitch and Sons, of Chelsea, made an interesting display of their double or treble cordon-grown gooseberry trees in pots. Some 120 varieties of this fruit were shown.—Sweet pea mould or mildew is very prevalent in some districts this year.—A novelty shown in London lately was a delphinium, with large white flowers and a black centre.—A prominent feature at the annual show of the Royal Horticultural Society of Ireland was the very representative character of the trade section.—In an English garden a strawberry has been grown, with a large calyx, with a number of smaller fruit and foliage at the apex.

W. H. Adsett.

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A misleading abbreviation

Our esteemed London contemporary, The Market Growers' Gazette, in quoting an article on "Lilium giganteum" from the pen of Aug. Doemling, which appeared in HORTICULTURE last spring, makes the very

natural mistake of interpreting the article as referring to the true *Lilium giganteum*, a very different plant from the *L. longiflorum giganteum*, which is what is meant when "giganteum" is spoken of, in commercial circles, in this country. This incident teaches us the desirability of being more explicit in matters of nomenclature. The tendency to abbreviate words in these hustling days is very prevalent and is, we often think, carried to an unreasonable limit. "Valley," "gigs," "catts," "daffs," "cyps," and "Romans" may come handy to the hurried dealer at times, but, for general use, these curtailments are to say the least, inelegant and not infrequently misleading.

Looking to the future

In our issue of last week we took opportunity to present in condensed form the opinions of the various ex-presidents of the S. A. F. as to the necessities of the horticultural field and the lines upon which advancement should be striven for. We are now enabled to add to the list the views and recommendations of the present honored presiding officer of that body as promulgated at the quarter-centennial gathering at Cincinnati. The document is an able one, giving evidence of a close study of the history and circumstances, the possibilities and limitations of the Society as heretofore and at present conducted. Whatever may be the immediate disposition of these recommendations it cannot be questioned that the presentation and the consideration of the topics treated in so earnest, thoughtful and dignified a manner must have a wholesome and invigorating effect on all those hearing or reading them. The florist's trade and professions allied with it have never lacked for men of high intellect who have been able and willing to speak and to act for it when occasion demanded. The number and proportion of such is now, however, far in excess of what they were when the S. A. F. came into being. A goodly representation of the commercial horticultural workers of today get their mental pabulum from sources other than emanations of the "yellow" correspondent and these are the men who will shape the course of floriculture in the time to come and direct the affairs of the national society so that it shall worthily represent them. These are the people to whom the president especially addresses his words; they are the men whose influence and example must be secured for the organization if it is to fill the glorious possibilities so vividly forecast by both President Valentine and Secretary Rudd. The closing of the first quarter century of the Society of American Florists undoubtedly marks a distinct epoch in American floriculture. The signs all point to this. Innovations in policies and far-reaching methods which were beyond the vision of the pioneers are now due. New and broader responsibilities await those who are to lead the Society onward and upward until it shall become a world-wide force. And the "Old Guard" can with justifiable pride and a comfortable conviction of duty well performed, hand over their charge to their successors, doubting not that the record as it will be written at the close of the next quarter centennial will reflect the highest lustre upon the grand old society. We close with a quotation from that noble representative of the fraternity of a quarter century ago—Thomas Meehan: "*Horticulture affords scope for a greater breadth of human knowledge than any other pursuit.*"

FLORICULTURE AT THE UNIVERSITY OF ILLINOIS.

With the opening of the college year, the University of Illinois will offer a regular course in floriculture leading to the degree of Bachelor of Science in Floriculture. The work required for this degree will include, besides the floricultural subjects of which every florist should have a working knowledge, such subjects which not only broaden the student but are necessary for a successful career. In other words the object of the course is to give instruction in those branches which will fit men and women for the floricultural profession.

The requirements for admission to this course are those which govern admission to the College of Agriculture. Entrance may be secured three ways:

1. By diploma of graduation from an "accredited" high school.
2. By examination.
3. By earning entrance credits in the academy or by private instruction.

These points are fully elaborated in the catalogue issued by the College of Agriculture.

The equipment for carrying on the work of the course will consist of a service building, four greenhouses and the gardens.

The service building is a one-story plaster structure containing a large and well lighted work room, offices, cutflower cool-room, storage rooms and a boiler room. These rooms are equipped with the necessary tools for the operation of the plant.

Connected with the service building, by a corridor or connecting house, are four greenhouses each 105 x 28 feet, and, while primarily intended for experimental purposes, furnish much material for class work. The facilities for instruction will be greatly increased by devoting one of these entirely to the general work of the course.

Those buildings are all of the best type of modern construction and make a model commercial plant. The buildings are heated from an independent heating plant thus giving an excellent chance for the study of greenhouse heating. The remainder of the greenhouse equipment is that of a commercial place.

The experimental work being carried on in the houses is all on a commercial scale and is open to study by all students in floricultural work.

Fronting the service building is a sunken garden about 200 x 250 feet, filled with various kinds of tender bedding plants. This garden, as well as the herbaceous garden, is open to the use of the students.

Instruction will be carried on much in the same manner as in the other courses by means of lectures, quizzes, and laboratory work. The laboratory work will consist of actual practice in the greenhouses so that the student may become familiar with both the methods and the plants. It is intended



FLORICULTURAL GREENHOUSE, UNIVERSITY OF ILLINOIS

to develop a student, who upon graduation, will be fitted to enter a commercial position.

The greater part of the work of the course is composed of subjects which are required of all candidates for the degree of Bachelor of Science in Floriculture. These subjects are arranged in a definite order representing the logical order of presentation. The student is also allowed to elect such other courses as he desires, in order to fill out the number of hours necessary for graduation.

The subjects required of all students in floriculture are as follows:

Plant Houses—A study of construction, heating, ventilation, cost and maintenance.

Plant Propagation—Study of graftage, layerage, seedage, etc.

Spraying—The theory and practice of spraying for insects and fungi.

Landscape Gardening—A general course.

Evolution of Horticultural Plants—A study of modifications of plants under culture.

Principles of Plant Growing—Preparation of soils, potting, watering, etc.

Commercial Crops—Growing of plants and cutflowers for market.

Decorative and Bedding Plants—A study of tender plants for greenhouse and out-of-door decoration.

Garden Flowers—Growing of annuals, herbaceous perennials and shrubs.

Floral Decorations—Use of plants and cutflowers in designs, baskets, decorations, etc.

cultural subjects the following general subjects are also required:

Principles of fruit growing, seeds, soil physics and management, soil fertility, fertilizers and rotations; plant histology and physiology, plant morphology, plant pathology, entomology, chemistry, zoology, wood shop practice, economics, English literature, rhetoric, thrommatology, military science, physical training.

While all the floricultural subjects have been primarily designed to be units in a course in floriculture, any of them may be taken by students in the university provided they have the necessary qualifications to admit them to the classes.

For further information regarding the course, a catalogue may be secured by addressing the undersigned or the Dean of Agricultural College at Urbana, Ill.

H. B. DORNER.

VISIT OF RHENISH NURSERYMEN TO TREVES.

In connection with the recent congress of Rhenish nursery proprietors at Treves (Trier) the members of the Handelsgartnerverbandes (Unions of nurserymen) of the Miedlerhein and Rhein-Mosel made an excursion to that town on July 31, last. The members had received invitations from the following firms at Treves to inspect their establishments, viz: P. Lambert, J. Lambert & Sons, Lambert & Reiter, J. Reiter & Sons, Miller, Langsur and others. For the reasons that the town occupies a wonderful position on the Mosel, has fine vineyards round about, and remarkable nurseries in its vicinity, and not least, its buildings from the times of the Romans (the Porta-nigra, amphitheatre, imperial palace, baths, etc.) it is a place much visited by strangers; and one in which those who are not temperance advocates can enjoy a drop of excellent Mosel wine, and refresh themselves, when money plays no role, with delicious Berncastler Doctor, and Frau Doctor Tanisch's Ansiesi, it was not a matter for wonder that the invitation was gleefully accepted by members from far distant places.—M. H. in Die Gartenwelt, July 31

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The eleventh annual convention opened in Seattle, Wash., on August 9, for a three days' session. The mornings were devoted to business and the afternoons to visits to the many beautiful parks and the Exposition grounds. Officers for 1910 were elected as follows: President, W. S. Manning, Baltimore; vice-presidents, G. A. Parker, Hartford, Conn., E. T. Mische, Portland, Ore., J. G. Morley, Los Angeles, M. H. West, Chicago, W. J. Zartman, Brooklyn; secretary-treasurer, F. G. Mulford. Harrisburg was chosen for the convention of 1910.

New Haven, Conn.—The New Haven Nurseries is the firm name assumed by A. T. Osterman and L. A. Soldar, who are just starting in the nursery business at 123 Church street.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Return to Cincinnati for the Twenty-Fifth Convention—Extensive and Varied Trade Exhibits

Rochester, N. Y., the Next Meeting Place

Officers Elected

PRESIDENT—F. R. PIERSON, Tarrytown-on-the-Hudson, N. Y.

VICE-PRESIDENT—F. W. VICK, Rochester, N. Y.

SECRETARY—H. B. DORNER, Urbana, Ill.

TREASURER—H. B. BEATTY, Pittsburg, Pa.

The twenty-fifth convention proceedings opened according to program with an organ concert in Odeon Hall, at 1.30 p. m., Tuesday. President Valentine then read his address, there being on the platform Ex-Presidents Hill, Graham, Smith, O'Mara, Burton, Stewart and Traendly, and the present officers of the society.

PRESIDENT'S ADDRESS.

I take great pleasure in addressing you at this twenty-fifth meeting of the society and I am able to assure you that the past year has shown an increase in membership and that our financial condition is also stronger than a year ago.

Societies, like human beings, suffer the greatest mortality in infancy, so that on its twenty-fifth birthday this society may be congratulated on having passed its period of greatest peril and to be reasonably certain of reaching a good old age.

But, fullness of years is not necessarily an evidence of usefulness and we must take care that youthful complacency does not make us forget that we have the only charter ever granted to a similar organization by these United States and that such distinction carries with it unusual responsibilities. We should, therefore, take heed to our conduct so that the work entrusted to us by Congress shall be well and faithfully performed on the broad lines contemplated by our charter. The next twenty-five years must show a record of work accomplished upon ever broadening lines if we are to uphold the traditions of the old guard who started this work a quarter of a century ago. I had hoped that we would at this meeting have the encouragement and the prophetic voice of our first President but instead we are called upon to pay tribute to his memory. I shall leave to others better equipped the task of doing honor to those we have lost, but if this society can become imbued with the enthusiasm and the optimism of John Thorpe, no work can be too great for it to undertake with reasonable hope of success. If a knowledge of the things done here can penetrate to the

Great Beyond the thought that his efforts were bearing fruit in a wider usefulness for this society would bring great happiness to the soul of that remarkable man.

Membership.

A few members of this society have been continuously faithful to it since its organization and have never failed to send their dues to the Secretary. It seems eminently fitting that some special recognition should be made of their many years of loyal support and I suggest that their names be carried in the annual report during their lives under the heading of "Pioneers" and that no further annual dues shall be collected from them.

The present membership of our society does not include more than ten per cent of the commercial men who are owners and operators of some kind of a floral establishment and this indicates that something has been wrong somewhere. We have either not followed the right method in canvassing for new members or the conduct of the society has not been such as to interest outsiders and bring them into the fold.

Our membership is especially weak among the retail florists and we have few members in the South or on the Pacific Coast. It is well worth while to consider whether there is not some more effectual way of canvassing for new members in those states and we should try to devise some means of interesting the owners of retail flower stores so that they will find something in our society and at our conventions of especial interest and benefit to them.

There are thousands of these retailers in the country and their most crying need at present is some form of organization whereby they can, with confidence, exchange orders by mail or telegraph. If some such organization could be effected confining its membership to the members of this society I believe the retailers would flock to our standard in large numbers.

Convention Work Divided Into Sections.

The members of this society are engaged in so many different lines of

work that it is hard to arrange a program which will hold the interest of a large proportion of its members. We claim to hold the door open for the admission of all persons interested in horticulture and to manufacturers of and dealers in horticultural supplies, but having come in through our open door many fail to find anything of personal interest within our home and so allow their membership to lapse. The manufacturer or the dealer may join and attend as a matter of policy but he cannot be expected to take any great personal interest in the life history of Aphis or in the Mendelian Theory; nor can the man who devotes his whole place to growing cut flowers be presumed to take a keen interest in landscape gardening.

While our membership is very much smaller than it ought to be, and than we hope it will be, it is now large enough so that the work of the convention could be successfully divided into sections, as is done in many societies. One section might take up matters of interest to all importers of bulbs and plants, another section, as I have already indicated, might profitably be devoted to the interests of the retailers.

We might have a section devoted to the interests of the private gardeners and ornamental horticulturists and so justify that portion of our name. If the organizing and conducting of such a section should prove to be of interest to any considerable number of private gardeners and park men, we would get an accession of valuable members from a direction where we have heretofore awakened but little interest.

In pursuance of such a policy, section programs would be prepared of especial interest to those engaged in some particular branch of work. These different sections would hold their meetings in different rooms and no one would be obliged to listen to a class of papers that did not interest him, neither would an interesting discussion have to be abridged to prevent its taking the time set down on the program for a topic of a different nature.

A number of the members of this

society have been interested in cross-fertilizing. Ten or a dozen men devoted to that class of work could get into a small room and hold a very interesting session. Perhaps a half dozen similar meetings might be in session at one time in different rooms and it would be necessary to devote to them at least one day of the convention so that on that day no general business session would be held. These sessions being composed of a much smaller number of men than the large convention would be less formally conducted. Expressions of opinion would be much more frank and men too diffident to speak in a large convention would gladly take part in the proceedings. The most valuable points we get at these conventions are often obtained in the informal talks in hotel lobbies or in private rooms and there are very few who fail to pick up something of interest and value on such occasions.

The retailers' section would receive the reports of the officers of the delivery association and its arbitration committee would adjust controversies. They would discuss the best methods of drawing and holding trade; the best methods of bookkeeping and of collecting accounts; protection against "Dead Beats"; claims for commission put forward by mercenary servants; the adoption of uniform charges for the rental of decorative plants; the proper policy to pursue toward churches and societies asking for donations. All these and many other subjects would furnish fruitful topics for discussion. So many and such substantial benefits would be offered that the retailers simply could not afford to stay out.

The resultant gathering together of retailers would induce larger and more profitable displays by those concerns who cater to that trade.

These are possible means for strengthening and upbuilding our society among the classes at present included in our membership and I recommend them to your careful consideration. It is my firm conviction that if some such plan as this had been followed, we would have had a Rose Section, a Carnation Section and a Chrysanthemum Section instead of separate societies which are doing commendable work but are to some extent depleting our ranks.

Encourage Organization of Amateur Societies.

We must admit that in the past this society has been conducted as a trade organization, without any pretense of occupying that broader and larger field which includes the flower-loving public.

It is not my intention to criticize that attitude, for it may have been the only one which would have carried the society safely through the perils which beset it; but the time has surely come when we should assume that high place in horticultural councils to which our national charter entitles us.

The amateur will never find much of interest in a convention of florists and I do not assume that any merging of the two elements into one convention would be acceptable to either; but our interests should induce us to systematically encourage the organizing of amateur societies, meeting in annual convention on the delegate plan, under the encouragement of the S. A. F. and

O. H. until such time as the amateurs preferred to release the helping hand and walk alone. Our Secretary ought to have the time and the means at his disposal so that he could help actively in promoting and organizing such societies. The National Council of Horticulture, which is partly maintained from the treasury of this society, does great good through the publication of articles of a horticultural character intended to meet the needs of amateurs. This same organization could do much to stimulate the growth of such an association of amateur flower growers.

It would be impossible to calculate the increased demand for our products as the result of such an organization if it could be made to catch the popular fancy. The greatest good resulting from such a movement, however, would be the adorning of places now barren and the stimulating of the love for Nature's beauties among the people of this great land of ours.

Countless small societies and clubs are but waiting the heat of enthusiasm to fuse them into a mighty force which shall remove the ugly scars from our landscape and convert thousands of dreary towns into the abiding places of beauty. Shall we be faint-hearted and say this is too much to accomplish, or shall we say that the fulfillment of this noble purpose is both our duty and our rightful prerogative?

I recommend the appointment of a committee with authority to take up this work in a preliminary way and report progress at our next convention.

Change in By-Laws.

The business affairs of a society like ours are varied in character and the proper handling of them calls for energy, experience and good judgment. The man upon whom the chief responsibility rests in these matters is the Secretary of the society. In the past you have been exceedingly fortunate in the men who have been selected for this important work and I, therefore, feel perfectly free to express my opinion, since none can consider it as personal criticism. I am firmly of the opinion that the convention of this society should not elect its Secretary, but should leave that important duty to be undertaken by the board of directors, who will closely scrutinize the qualifications of such men as seem available and will select the man they think best suited for the position. In the privacy of the board room such matters can be fully discussed, whereas such a discussion on the floor of the convention would be unwise. Large business concerns do not allow their stockholders to elect the active head of the concern, but that important matter is settled in directors' meeting.

Under our present arrangement each convention brings the peril that some popular but incompetent man will be boosted into this office on a temporary wave of enthusiasm. Any man who has held the office of President of this society will gladly testify how much he has been compelled to turn to the Secretary for guidance and how completely the welfare of the society is in his keeping.

What I have said concerning the election of Secretary applies also, but with less force, to the election of a Treasurer. In my judgment the busi-

ness conduct of the society should be under the control of the board of directors. I, therefore, recommend such a change in our by-laws as will provide for the convention electing two directors each year for a term of three years, instead of their appointment by the President, as at present, and for the election of the Secretary and Treasurer by the board of directors, subject to removal at their discretion.

If our Society is to expand its field of usefulness or properly cultivate the field it now occupies, it must be able to secure the entire time of a capable man as Secretary. The year would be all too short in which to do the many helpful things such a man would find to do in visiting and encouraging local clubs, both professional and amateur. In addressing meetings in villages where it was desired to awaken an interest in horticulture, our present Secretary has been able to do some good for the cause, but under our present plan the time devoted to such things must be taken at the expense of private interests.

It is a conscientious conception of the work that a secretary ought to do which has forced our present efficient officer to decide that he must not continue in the work, in justice to his own interests and the interests of his business associates.

The undertaking of ambitious projects with hope of success necessitates expenditures. This society ought to be in a position to spend money for the things which would ultimately profit its members and promote the objects for which it is conducted. At present our income is too limited to permit of anything but the most necessary expenditures.

It is lamentable that a society of a thousand florists banded together cannot collectively spend money for desirable ends when it has hundreds of men within its ranks who would not hesitate to individually incur the expense in their own interest. Whether some means cannot successfully be devised for very largely increasing the funds at the disposal of the society is a subject which should have the careful attention of an energetic and able committee.

National Flower Show.

The most important incident since our last convention was the National Flower Show held under the auspices of this and kindred societies in Chicago last November. What was accomplished will be reported to you at this meeting by the Chairman of the Executive Committee.

Another committee has been appointed to take up the matter of a similar show in some Eastern city and will also report to you at this meeting.

It is very encouraging to know that the Chicago Show was held with profit to the guarantors and to this society for that fact alone makes the success of future shows more probable.

New Opportunities.

Many articles, notably azaleas, bulbs and palms, are imported into this country in immense numbers, and the impression is general that a large part of these importations might be profitably grown in the United States. In order to judge as to the merit of such an enterprise, the fullest and

most detailed knowledge of foreign methods is desirable. It seems likely that if this society made application to the Secretary of Agriculture, that official would order an investigation and would secure and furnish to us all the data obtainable. I recommend that our Secretary be instructed to ask for this information in the name of this Society.

The work of committees is often made harder because it is the custom to make them consist of three or more members and to have the members hail from different sections. My judgment is that for many purposes only one man should be appointed on a committee, except such committees as are expected to do their work during the time of the convention. Have it thoroughly understood that the committeeman can temporarily call to his assistance any other member or number of members, but that wherever he goes he is the committee and does not need to await the action of any other member.

The Secretary of the society and the President ought to be kept advised of the progress being made by all committees. When it can be done without interference with the work of the committee, such progress should be reported to the trade press by the Secretary.

The florists of Illinois have succeeded in getting substantial recognition from the legislature with an appropriation that permits the maintenance of a florists department of the State Experiment Station. A like result could doubtless be obtained in other states if the florists here worked for it as energetically as did the florists of Illinois.

Our retiring Secretary, Mr. Rudd, has taken a keen personal interest in this movement and I suggest that if he were made a committee of one to follow up this work the trade at large might be induced to pull together for greater recognition of their needs and their strength with great resulting benefits to florists generally.

Sports.

The matter of Sports at our conventions has been referred to by many of my predecessors. I am firmly of the opinion that any clean, healthful sport is a good thing for any man who gives the most of his time to work. Bowling and shooting contests have enough of an attraction so that they often turn the scale and bring to the convention some men who otherwise would not attend. Local bowling clubs do much to bring the florists of a community together and in the enjoyment of contests of skill, petty quarrels are forgotten so that a friendly feeling generally exists among those attending.

The time has gone by, if it ever was, when a man must be a rowdy in order to enjoy or participate in a trial of physical skill. These matters must be kept in their proper place and not be allowed to interfere with or overshadow the convention itself; but as at present conducted, I look upon them as both useful and desirable.

There is much in this address which is not new, but has been urged by my predecessors. I offer no apology for again pressing these things upon you, but if you will take the time to re-

view our annual reports you will find many useful suggestions that have been brought forward by other Presidents and which would make this address too long if I were to review them here.

Before closing I wish to assure the members of this society that not myself alone, but the florists of Colorado, also, keenly appreciate the recognition you have given them by the selection of one of their number to preside over this Convention. At the close of our last Convention, Colorado had seven names enrolled as members of the society and seldom more than one or two have been in attendance at the Convention. At the present time Colorado has over forty members enrolled and are here today.

That her thanks have taken this substantial form is largely due to the untiring energy of N. A. Benson, State Vice-President.

SECRETARY'S REPORT.

Secretary Rudd then presented his annual report:

Starting out with bad conditions and dismal prospects financially, greatly increased general interest in the Society since the first of January and the consequent large accessions of new members and re-instatement of old ones in default, have converted what looked almost sure to be a year of stationary or backward conditions into a decidedly successful one.

From the financial point of view the convention at Niagara Falls was a decided failure. Many causes led to this. Of course the general business depression through which we had passed had a strong effect, and it is doubtful whether a very successful convention could have been held last year at any place. The writer believes, however, that it is a serious mistake to hold conventions of this society in any location where there are not large trade interests. In the first place, we lose the enthusiastic work of a good strong body of local florists. The difference between conditions in this respect at Niagara Falls and what they are here, will, I am sure, be noticed by every member who attended both conventions. In addition to that loss, which is so great that it can hardly be overestimated, we have the lack of drawing power to our members. The bulk of the florists in this country are not wealthy men, but they are shrewd, prudent business men, and the trip to the convention for them must be shown advantageous to the highest degree in a business way; and unless they can have added to the pleasures and the advantages of the convention proper, a chance to examine and inspect greenhouse establishments, successful retail flower shops, wholesale establishments and other like supplementary things which they all consider of great value to them in a business way, many will not feel justified in giving the time and going to the expense of a trip to the convention. In short, many of our members do not care enough for scenery to pay much money for it, and it seems to your secretary that never again, unless conditions are exceptional, should this society go to outlying cities like Niagara Falls or Asheville. At Niagara Falls we only received 50 new members, while the writer will be disappointed if

we do not add 250 to our membership roll at this place. Fortunately the National Flower Show was an event which attracted great interest (in fact I think by it we lost the attendance of a good many people at the Niagara Falls Convention) and we were, during the progress of the show, enabled to take in nearly as many new members as at Niagara Falls.

The financial statements attached to this report, as well as the treasurer's report, will show a gratifying increase in the General Fund and an unusually good increase in the Permanent Fund. The custom of adding all interest received on both funds to the permanent fund has been continued and the latter fund has now reached so large an amount that the interest on it is quite an item. Steps are being taken to make permanent investments of this fund which will secure larger interest returns than are obtained at present. Starting out 25 years ago with no pattern to follow excepting foreign horticultural societies which were organized to fit different conditions, our society has had to try many experiments and abandon many of them. We are now just beginning to get our bearings and to see clearly the work which lies before us. Personally the writer believes that we shall never really and truly come to our own, except through the nursing into a rapid growth of our permanent fund. The society will never be what it should be and can never accomplish what it should accomplish for the floricultural interests, until it has a permanent home of its own with ample glass structures for the testing of new varieties and for the growing and maintaining in the best condition of a large and representative collection of subjects adaptable to American conditions. This is going to take an enormous amount of money and we must not be impatient and attempt to start this sort of work until the funds at our disposal are sufficient to make a reasonably good beginning. At that time the writer hopes that the strength and influence of the society will be so great that the national government can be induced to assist directly in the work.

There are three sources aside from government assistance to which we can look for strengthening our permanent fund. First, of course, in fact the only one which has up to date been of much effect, has been the life memberships and the compounding of the interest, which has been steadily going on.

Second is the trade exhibition which has grand possibilities but which we seem to have largely overlooked heretofore. The present method of taking the entire trade exhibition matter directly into the hands of the society itself, is a move in the right direction and I believe will show excellent results this year. The charges for space have been experimentally fixed very low. The writer is convinced they are altogether too low and that, unlike the tariff, they should be revised upwards. Careful handling of this matter, your secretary is convinced, will very shortly produce an income greater than your entire present revenue, both general fund and permanent.

The third source of income is one that has never been exploited, so far as I know, namely, bequests and donations. In the 25 years of the exist-

ence of our society, no money has been left to it by will and no gift has been made which could be added to the permanent fund and which would in any way assist us to arrive at the permanent home. It seems to your secretary that we have been sadly neglectful in this respect and that a proper placing before our members of the vast good to be accomplished by such bequests, would soon produce results.

Of course we must continue to use every effort to increase our membership in the way of annual members, because our ability to carry on our present work depends largely on the income from that source. However, too much stress has been placed on the getting of new members, or perhaps it would be better to say that not enough stress has been placed on the necessity of keeping the members we have. We must at all times carefully consider and carry out every possible means of retaining the interest of the members we already have. The man who deliberately sends in his application in the middle of the year because a study of the conditions has led him to believe that membership in the society will be valuable to him, is a continuing source of gain, because he will stick, if the handling of the society work is such as not to disappoint him in his expectations. The man who joins under the excitement of the convention or through the strong solicitation in a personal way of officers or members, is often worth just \$5 and no more. His interest is only a fleeting one and if he does not attend the next convention he fails to renew his membership and drops out. In the past we have been neglectful in the matter of getting into close and continuous touch with our individual members; we have not shown them that this is Their society and that the whole strength of the society is at their disposal at all times to every reasonable degree. They should be encouraged to submit their problems to the secretary and should be led to expect, and should be given, prompt help. Many of the inquiries coming in relating to the difficulties of our members, especially the ones just starting in business, can be readily attended to by the secretary, while for those questions of a more serious nature, we have hundreds of able men in the society who will, I am sure, be glad to help solve the problems of their brother members.

The writer has for many years been much interested in the matter of Experiment Station work and has believed that the florists were not getting their dues, largely because they failed to appreciate the importance of the work and to ask for what they wanted. The work of the experiment stations in comparatively a few years, has revolutionized farming, dairying, live stock breeding and fruit culture. It has done nothing for us, comparatively speaking. The work at Illinois being a combination of the best scientific skill, with the close scrutiny and advice of members of the trade, is going to be of enormous value and the writer believes that the same conditions can be brought about in nearly every state in the Union. In order to lay before you the facts, your secretary some time since took up correspondence with the experiment stations

in the country, hoping to be able to tabulate the facilities at the various stations and the work they were doing and to urge upon you an active campaign for securing better things. Unfortunately the correspondence has dragged out and the information has come in so slowly that the data cannot be given to you at this time. I hope to complete it, however, and ask your permission to publish it in the forthcoming volume. The results will be so disappointing to everyone that I hope it will arouse us all to the necessity of promoting an organization in each state to secure better things and also to appoint a central committee of the society to advise with and to aid the different state organizations.

MEDALS.

Medals have been delivered during the past year as follows:

SILVER MEDAL—Henry A. Dreer (Incorporated), for *Nephrolepis Scholzei*, offered through the St. Louis Horticultural Society and awarded at their annual exhibition, November, 1908.

National Flower Show Medals.

The medals listed below were awarded at the National Flower Show, Chicago, November, 1908.

SILVER GILT MEDALS.

Elmer D. Smith & Co. For display of cut chrysanthemums.

Julius Roehrs Co. For three *Heliconias*. Halfdan Skjoldager. For private gardener winning most premiums.

SILVER MEDALS.

Thomas Proctor. For private gardener winning second number premiums.

W. A. Manda. Four Medals: (1) For collection of orchid blooms; (2) For *Kentia Mandarina*; (3) For *Dracaena Black Beauty* Improved; (4) For *Polypodium Mandalaianum*. E. Oechslein. For collection of greenhouse plants.

Vaughan's Seed Store. For educational exhibit of outdoor planting.

Martin A. Ryerson. For chrysanthemum plant.

W. J. Smyth. For vase of roses. M. Calvat. For seedling chrysanthemums.

Harry Turner. For *celosia* *Pride of Castle Gould*.

C. H. Totty. "Sweepstakes," best six blooms chrysanthemums.

BRONZE MEDALS.

W. A. Manda. For *Manda's Golden Privet*.

Henry Eichholz. For carnation *Alvina*. J. A. Peterson. For *Begonia Agatha*.

E. G. Uiblein. Two Medals: (1) For one cattleya; (2) For one orchid plant.

John Riordan. For private gardener winning third number premiums.

Thomas Roland. For cyclamen plants. J. J. Mitchell. For best flowering plant.

Carnation Medals.

Offered through the American Carnation Society and awarded at their annual meeting in Indianapolis, January, 1909.

SILVER MEDAL—The F. Dörner & Sons Co., for carnation *Hoosier Lad*.

BRONZE MEDAL—A. C. Brown, for carnation *Superba*.

Various Awards.

The following awards were made at the National Flower Show, Chicago, November, 1908.

CERTIFICATES OF MERIT.

W. A. Manda. Three certificates: (1) *Dracaena Mandarina*; (2) *Anthurium Cuttingianum*; (3) *Yucca Menandii*.

F. R. Pierson Co. Two certificates: (1) *Nephrolepis Elegantissima compacta*; (2) *Nephrolepis superbissima*.

Julius Roehrs Co. Croton *Fred Sander*. The Lincoln Park Commissioners. Group of greenhouse plants.

Henry A. Dreer (Incorporated). *Nephrolepis Scholzei*.

The South Park Commissioners. Group of greenhouse plants.

W. N. Rudd. Carnation *Mrs. J. C. Vaughan*.

F. Dörner & Sons Co. Carnation *Pink Delight*.

HONORABLE MENTION.

Sam Wolniewicz. *Glebe*. 58 plants.

Plant Registration.

New plant names have been registered since last report as follows:

No. 398—August 15, 1908. Rose, *American Pillar*, by the Conard & Jones Company, West Grove, Pa.

No. 399—August 15, 1908. Canna, *Gladio-flora*, by the Conard & Jones Company, West Grove, Pa.

No. 400—August 15, 1908. Canna, *Minnehaha*, by the Conard & Jones Company, West Grove, Pa.

No. 401—August 15, 1908. Canna, *Rosea Gigantea*, by the Conard & Jones Company, West Grove, Pa.

No. 402—December 1, 1908. Chrysanthemum, *President Taft*, by Elmer D. Smith & Co., Adrian, Mich.

No. 403—December 23, 1908. Canna, *Wawa*, by the Conard & Jones Company, West Grove, Pa.

No. 404—December 23, 1908. Canna, *Mont Blanc Improved*, by the Conard & Jones Company, West Grove, Pa.

No. 405—December 23, 1908. Rose, *Climbing Mosella*, by the Conard & Jones Company, West Grove, Pa.

No. 406—January 25, 1909. *Cypripedium*, *Ursula*, by Alfred J. Loveless, Lenox, Mass.

No. 407—February 5, 1909. *Cattleya*, *Oakland*, by Charles G. Roebling, Trenton, N. J.

No. 408—February 5, 1909. *Laelio-Cattleya*, *Magenta*, by Charles G. Roebling, Trenton, N. J.

No. 409—February 27, 1909. Carnation, *Edward*, by W. H. Shumway, Berlin, Conn.

No. 410—March 19, 1909. *Clematis*, *Clematis paniculata rubra*, by the Jackson & Perkins Company, Newark, N. Y.

No. 411—April 2, 1909. *Begonia*, *President Taft*, by J. A. Peterson, Westwood, Cincinnati, Ohio.

No. 412—April 23, 1909. *Hydrangea cinerea sterilis*, by E. Y. Teas, Centerville, Ind.

No. 413—July 16, 1909. Rose, *Climbing American Beauty*, by Hoopes, Bro. & Thomas Company, West Chester, Pa.

Members Lost by Death.

Since the last report six members have died:

1909.

February 6, W. C. Krick, Brooklyn, N. Y.

March 2, E. V. Hallock. (Life member) Queens, N. Y.

April 3, William Hagemann, New York.

April 19, John Scott, Brooklyn, N. Y.

May 28, John E. Andre, Doylestown, Pa.

July 9, Herbert Heller, New Castle, Ind.

Death of John Thorpe.

On July 1, 1909 occurred the death of John Thorpe, the first president of this society.

Membership Statement July 31, 1909.

Total annual members as per last report, November 20, 1908	720
Reinstated	19
New members	71
	<hr/>
Deceased	5
	<hr/>
Total annual members enrolled	805
Total life members as per last report, November 20, 1908	179
New life members	17
	<hr/>
Deceased	1
	<hr/>
Total life members enrolled	195
Total members enrolled...	1000
Gain in life membership since July 31, 1908	25
Gain in annual membership since July 31, 1908	56
Total gain	81

Note:—Since August 1st and up to August 12th, we have received 8 new life members and 24 annual members. Last year we had 9 annual and one life, making the net increase August 11th, 103 members.

Transportation.

Every effort was made to secure reduced railroad rates, but without success. The various traffic associations seem to have generally adopted the policy of refusing reduced rates except where there is a guaranteed attendance of one thousand or more. The writer thinks this policy is a part of the general campaign against the two-cent-per-mile legislation. Anyway, we didn't get the rates.

State Vice-Presidents.

The state vice-presidents have during the past year been very active in the interests of the society and have done much good work. The complaint which your secretary was compelled to make last year regarding the laxness among them and failure even to pay their own dues on the part of a few, does not hold this year and a large part of the advance shown is due to their good work.

Trade Press.

The trade press have continued their cordial support of the society as in the past.

In closing this the last report of this kind which the writer will ever make to you, I wish to tender my most heartfelt thanks to all the friends who have by advice and assistance freely given and by kind words so often spoken, lightened the task and made the work a constant pleasure.

I cannot make you know how much enjoyment there has been to me in getting back into the harness and being actively identified again with all of you good kind hearts and this great organization of ours. It is with regret that I step out. I assure you that I will set your house in order and will turn over to my successor in good and perfect condition all of your books and records and other property now in

SECRETARY'S SUPPLEMENTAL FINANCIAL REPORT.

January 1, 1909, to August 1, 1909.

RECEIPTS.

General Fund.

Dues of 1908	\$ 57.00	
" " 1909	1,347.00	
" " 1910	3.00	
Total Dues		\$1,407.00
Fees and Dues, new members		355.00
Total from members		\$1,762.00
Balance from Trade Exhibition 1908..	\$ 63.36	
Miscellaneous	1.25	\$ 64.61
Total General Fund Receipts		\$1,826.61

PERMANENT FUND.

Fees, Life Members	\$ 425.00
Total receipts	\$2,261.61

EXPENDED.

Paid Treasurer	\$2,251.61
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Considering current receipts only, the above is a gain of 14% over the corresponding period last year.

NOTE: Since the above report was written, that is up to and including August 11th, there has been about \$1000 more collected, including \$483.17, this Society's share of the proceeds of the National Flower Show.

my hands. I shall aid him in the exacting task before him to the best of my ability, and beg to assure the society that I shall always stand ready to accept any tasks they may give me to do and shall always remain a true and loyal member, ready to support the best interests of the society and equally ready to fight against any unwise moves.

Statement of Warrants Drawn on Treasurer for Payment from the General Fund, January 1 to July 31 Inclusive, 1909.

1908 Account.

Annual Report and mailing	\$410.51
Officer's Bond	8.00
Medals	65.07
Secretary's Salary	83.33
Exchange .....	.66
Postage	26.00
Engrossing	14.48
Auditing	30.00
Sundries	10.53
	<hr/>
	\$648.58

1909 Account.

National Council of Horticulture	\$150.00
Badges	24.00
Rent, Convention and Exhibition Halls...	530.00
Medals	16.40
Secretary's Salary	499.99
Exchange	10.55
Stationery & Printing.	104.50
Postage	62.08
Treasurer's Salary	50.00
Treasurer's Bond	40.00
Committee Expense...	230.24
Funeral Flowers	25.00
Miscellaneous	9.75
	<hr/>
	\$1,752.51

\$2,401.09

Less Hall Rent...

530.00

\$1,871.09

NOTE: It should be noted that the item of Hall Rent is one that has never appeared in the treasurer's account before. Under the new system lately

adopted exhibition bills are paid by the treasurer and receipts are turned over to the Society, so that this item will take care of itself later on.

Deducting the hall rent makes the expenditures for the period in question \$1,871.08, about \$50 more than the collections for that period. However, the heavy collections for the first few days in August will bring the balance of the General Fund receipts much in excess of the payments made, and we have to add to this balance the collections being made here at the convention, which will undoubtedly be very heavy, and also the proceeds from the Trade Exhibition, which will apparently greatly exceed those of any previous exhibition by reason of the large amount of space sold and the economical management. It seems certain that we will close the present fiscal year with a substantial increase in the amount of our General Fund and also a heavy increase in the Permanent Fund.

On request of Treasurer Beatty, who was suffering from sore throat, Mr. Rudd then read the financial report.

SUMMARY OF TREASURER'S REPORT.

1908	
Jan. 1, Balance General Fund	\$3,001.69
Jan. 1, Balance Life Membership Fund	4,718.52
	<hr/>
	\$7,720.21

Receipts.

Dec. 31, General Fund, Total Receipts during year 1908	\$5,061.07
Dec. 31, Life Membership Fund, Total Receipts during year 1908	1,468.41
	<hr/>
	6,529.48
	<hr/>
	\$14,249.69

Disbursements.

Dec. 31, General Fund, Total Disbursements during year 1908 ..	4,249.69
Dec. 31, Balance—Cash in Banks.	\$10,000.00
Dec. 31, Balance on Deposit, General Fund	\$3,813.08
Dec. 31, Balance on Deposit Life Membership Fund	6,186.93
	<hr/>
	\$10,000.00

The reports of the state vice-presidents were referred to a committee consisting of Messrs. E. S. Cushman, E. Weinhoeber and J. S. Wilson. The proceedings at the last annual meeting of the Executive Board were then read in full by Secretary Rudd and all the recommendations made therein to the society were accepted and approved excepting that clause appropriating one hundred and fifty dollars for the Council of Horticulture which, on motion of W. J. Stewart, was laid over for further consideration. Chairman Hammond then presented the report of the Legislative Committee showing that through the well directed work of F. R. Pierson the florists' interests in the new tariff bill recently adopted by Congress had been cared for and a specific duty satisfactory to the committee had been secured. The complaints of several members in regard to express charges for ice and returned empties had been investigated but the facts ascertained had not been strong enough to warrant bringing them before the Interstate Commerce Commission. Mr. Hammond's report was very complete and showed faithful work on the part of the committee and a vote of thanks was accorded.

A letter was presented from the American Seed Trade Association asking for the appointment of a joint committee on matters of mutual concern. An invitation from the Montreal Gardeners' and Florists' Club to hold the next meeting in their city was read. A communication from O. W. D'Alcorn, calling attention to successful bulb culture in Virginia, was also read. Mr. O'Mara presented a resolution endorsing Congressman Bennett's congressional bill for establishment of a domestic parcel post, but it failed to pass.

The evening was pleasantly passed at the Zoo, in Eden Park, where there was a band concert followed by the president's reception on the cafe veranda, and a brilliant display of fireworks, among which were some set pieces especially designed to represent florists' subjects.

THE EXHIBITION.

The exhibition was, as promised, unprecedented in extent and variety. The entire two floors of the vast Music Hall were occupied, and the view from the main entrance was an inspiring one. There were great pyramids of gladioli, long ranks of ferns, crotons, palms, bay trees, all superb specimens, and beyond them models of greenhouses, boilers, engines and apparatus and equipments in great variety. The display of plain and fancy pottery was magnificent and the bulb dealers came out very strong with their wares. Upstairs the supply dealers held forth with an exhibition of unprecedented extent and beauty, far exceeding anything ever before attempted in this country. The number of patent devices and mechanical improvements shown was unusually large. We shall present a more complete review later on.

WEDNESDAY MORNING.

Selection of Next Meeting Place— Nomination of Officers.

Professor J. B. Norton was the first speaker on the program for the morn-

ing session. His lecture was very instructive to those interested in the modern theory and practice of plant breeding. On its conclusion a vote of thanks was accorded him. The audience room then rapidly filled up in anticipation of the struggle over the selection of a place for the next meeting and the nomination of officers. The claims of Rochester, N. Y., and Montreal, Canada, were eloquently presented by the spokesmen, Messrs. Hart, Vick, Plumb and others for Rochester, and Gammage and Robinson for Montreal. The result of the ballot was not announced till the afternoon session, when the selection of Rochester by a large majority was proclaimed. J. F. Cowell, presented the name of F. R. Pierson for president, paying a well-deserved tribute to Mr. Pierson's valuable services to American horticulture in securing favorable tariff rates at Washington. Messrs. Gude, Vesey and O'Mara seconded the nomination, which was the only one, and insured unanimous election on the morrow for Mr. Pierson. F. W. Vick received a similar nomination for vice-president. P. O'Mara presented the name of Harry Bunyard for secretary, W. R. Smith nominated Edwin Lonsdale, and E. G. Gillett nominated H. B. Dörner. Col. Castle presented the name of H. B. Beatty for treasurer. Judge Vesey nominated Adam Graham, but that gentleman declined most emphatically.

WEDNESDAY AFTERNOON.

Report of Judges.

At the afternoon session the report of the judges was presented. The awards were as follows: Class A. Certificate of merit and silver medal, to H. A. Dreer for *Nephrolepis Scholzei*, and J. A. Peterson for *Dracena Victoria*. Certificate of merit to Thomas Jackson for yellow *Alternanthera*. Honorable mention to A. C. Brown for carnation Sangamo; to F. R. Pierson for *Nephrolepis Elegantissima*. Highly commended to J. McCullough & Sons for rose President Taft. Class B. Honorable mention to E. E. Stewart for four new gladioli. Class C. Certificate of merit to W. W. Castle Co. for automatic circulator. Honorable mention to Kroeschell Bros. Co. for piping system and pipe wrench. Highly commended to Herendeen Mfg. Co. for improved devices on Furman boiler. Class D. Certificate of merit to King Construction Co. for iron frame greenhouse. Honorable mention to D. William Moll for ideal pipe clamp and E. H. Hunt for Delwood ware. Highly commended to King Construction Co. for curved iron eaves and improved pipe hangers. Class E. Honorable mention to M. Rice & Co. for Etruscan gold finish baskets; Schloss Bros. for new ribbons and cords; Wertheimer Bros. for waterproof chiffon, etc.; Reed and Keller for cycas leaf holders, Florentine bronzed baskets, vases, pedestals and brass devices. Class F. Certificate to Hubert Bulb Co. for American grown bulbs. Class G. Honorable mention to Wilson Plant Oil and Fertilizer Co. for pot washer and tub carrier; H. F. Michell Co. for new hose mender; Adam Heim & Son for self tying rose stakes. Highly commended to J. McCullough & Sons for Paragon sprayer; H. F. Michell Co. for lamp for burning nikoteen.

NATIONAL FLOWER SHOW.

The next topic was the National Flower Show. J. C. Vaughan and W. F. Kasting rehearsed some of the features and details of management of the first show at Chicago, giving good advice as to what should be done in preparation for the next one. F. R. Pierson reported for the show committee that of the eastern cities available for a spring show, Boston was the only one having a suitable hall and recommended that Boston be selected as the location and that the last week in March, 1911, be the date. It was advised that work on the schedule be at once begun and that a guarantee fund of not less than \$10,000 be raised. Twenty-two gentlemen immediately responded with subscriptions of \$100 each. The selection of Boston was jubilantly approved by W. A. Manda and others, and after a number of very sanguine speeches the committee was instructed to go ahead to perfect full plans of operation.

Report of Committee.

The committee appointed by President Valentine to consider the time and place for holding the next National Flower Show have canvassed the matter thoroughly. The understanding of the committee was that it was generally understood that the next National Flower Show should be held in the East. This being so, the committee assumed that it was left to them to determine in what eastern city the show should be held, although it might be questioned whether the financial outcome from such an enterprise in an eastern city would be as great as in Chicago.

In the selection of possible cities, the choice was finally limited to New York, Boston and Philadelphia. Many thought that the show should be held in New York, and it would have given the members of the committee from New York great pleasure to have selected New York; but, unfortunately, the only building in New York large enough and suitable for the purpose, Madison Square Garden, is engaged at the only time in the spring when it is feasible to hold a spring flower show—the end of March or beginning of April—this building having been engaged for years at this time of the year. The committee could have obtained a splendid building in New York City—the Museum of Natural History—in which the American Rose Society will hold its next exhibition. This is one of the finest buildings in the City of New York, in fact, in the country; but as this building belongs to the city, it would be impossible to charge an admission fee, and without such revenue it would be impossible to provide for a premium list or to defray other expenses incident to a flower show. Therefore, this building could not be considered, although it was available. The committee then went into the question of erecting a temporary building for the purpose. This was discussed at length, but the erection of a building was not thought practicable, because it would have to be heated at the time of the year when the flower show is to be held, which would add so much to the expense as to make it prohibitive.

The committee understood that the general sentiment has been in favor

of holding the show in the spring, at a time that will permit the exploiting and exhibiting many plants with which the public are not familiar and which will lend an added interest and charm to a show of such a national character. For this reason, the committee considered the question from the standpoint of holding the show in the spring, at which time, on account of not being able to obtain a suitable building, it will be impossible to have the show in New York City. It is possible a suitable building could be secured in the fall, but the committee believed it to be desirable to hold a spring flower show.

After considering the desirability of Boston, Philadelphia and New York, Boston was finally selected as the most desirable city in which to have the show. Philadelphia is out of the question, for the same reason that applies to New York, as there is no suitable building available in Philadelphia. Massachusetts Horticultural Hall in Boston is not large enough for holding a national flower show; but, fortunately, Boston possesses a very fine building—the Mechanics' Building—which is admirably adapted for the purpose, being large enough, and also located in the best residential section of the city and very near Horticultural Hall.

Regarding the time for holding the next National Flower Show, the committee recommend that it be held in the spring of 1911, which is as early as it will be possible to prepare for an exhibition of so much importance as a National Flower Show, as a great many exhibits will have to be prepared especially, and it will take at least a year to get them in shape. If the show is held in the spring of 1911, there will be ample time for preparation, but not too much.

In regard to the date, the committee suggest the end of March. Easter occurs on April 16th in 1911, so if the exhibition is held the end of March, it will not interfere with Easter work. This will be mid-Lent, which the committee consider the most favorable time of the year—if the exhibition is to be held in the spring—because more stock is available at that time, and it interferes less with the work of the men engaged along commercial lines.

The committee think that every endeavor should be made to interest the private gardeners on large estates so as to bring out as large exhibits as possible from our large private collections. There should, also, be some strong original floricultural feature or features, and the flower show proper should not be encumbered with tradesmen's exhibits or florists' supplies in horticultural wares. For such commercial exhibits a separate part of the building should be used.

The work should be put in hand at once, and a schedule issued not later than the end of this year or the beginning of 1910. This applies particularly to a preliminary schedule in regard to plants, which should be gotten out with the least possible delay—not later than January 1st, 1910—and it should be put in charge of either the present committee or another committee appointed for this purpose. The entire work, however, should be predicated upon a sufficient guarantee fund being subscribed to carry on such an undertaking to a successful completion; and

the committee recommend that guarantees be requested, for say, not less than \$10,000, to provide for premiums and other necessary expenses incident to such an undertaking; that 25 per cent. be called for when needed, and such other installments levied from time to time as may be found necessary to provide sufficient funds to carry forward the work.

The committee also recommend that liberal cash premiums be offered; also a series of gold, silver and bronze medals, as well as certificates of different grades, which would be prized on account of their advertising value rather than for their intrinsic merits.

It gives the committee great pleasure to recommend Boston as a suitable city in which to hold the show, because horticulture is there highly developed and there are extensive private collections available in the immediate vicinity, which always add largely to the success of such an exhibition.

F. R. PIERSON,
Chairman.
F. H. TRAENDLY,
J. K. M. L. FARQUHAR,
WILLIAM J. STEWART,
EDWIN LONSDALE,
ROBERT CRAIG,
Committee.



H. B. DORNER
Secretary-elect Society American Florists.

The next matter was consideration of the president's address, W. F. Kastling occupying the chair. Among the recommendations favorably reported and acted upon were the securing of data concerning production of florists' plants in foreign countries; the encouragement of appropriations for floricultural work in State Experiment Stations, and the change of the by-laws providing for the election of directors by the Society in place of appointment by the president; also the appointment by the president and directors of the secretary and treasurer. The discussion of the by-laws was a memorable one, all the old war horses of the Society being engaged in the struggle. W. R. Smith made two speeches, showing great ability and virile eloquence in favor of the change.

In the matter of the proposed organization of sections devoted to special subjects it was voted to constitute a committee to consider and prepare feasible plans for presentation next year.

WEDNESDAY EVENING.

The evening was devoted to J. Horace McFarland's illustrated lecture on "Color Photography," which in Mr. McFarland's absence was delivered by his assistant. Following this was the reception tendered to the Society members and ladies at Sinton Hotel by the Ladies' Society of American Florists. It was a charming success. Mrs. J. C. Vaughan, the president, was assisted by Mrs. Maynard, Mrs. Herr, Mrs. Peterson and others in receiving the guests, after which came singing and recitations, the singing of Miss Pearl Fulmer and the performance by the two little Poehlmann girls calling forth especial enthusiasm. The retiring president, Mrs. Vaughan, was presented with a beautiful cut-glass bowl, the presentation speech being made by Mrs. Herr. After these exercises, refreshments were served.

At the annual meeting of the Ladies' Society of American Florists on Wednesday forty-six members were present and officers were selected as follows: Miss Tillie Meinhardt of St. Louis, president; Mrs. J. V. Phillips, Brooklyn, first vice-president; Miss Margaret Vesey, Fort Wayne, second vice-president. The present secretary, Mrs. Chas. Maynard, and treasurer, Mrs. A. M. Herr, were re-elected. At the ladies' bowling at Heidelberg, Ky., on Wednesday afternoon, a grand time was enjoyed and the many beautiful prizes were worthily competed for. We shall publish the list of winners next week.

THURSDAY MORNING.

The session opened with an organ concert which was followed by the reading of Prof. Galloway's paper on "The Work of the U. S. Department of Agriculture as Affecting Floriculture," by Prof. Norton. A telegram was received from Edwin Lonsdale declining to stand for election as secretary.

The proposed amendment to the by-laws, increasing the cost of life membership to \$50 was defeated after a lively debate. The recommendation to appoint a joint committee to act with a committee of the seed and nursery trade associations on matters of mutual interest was favorably acted upon. On the parcels post proposition favorable action was also taken and the Congressional bill to constitute a domestic parcels post was endorsed. The appropriation of \$150 for the use of the Council of Horticulture was approved after a lively tilt between the advocates and opponents of the measure.

While all this was being done, voting for officers was going on in the corridor, and it took the tellers a long time to make their count on the vote for secretary, which was the only office on which there was any contest, the society adjourning in the meantime until evening. At 1.40 the count was communicated to the reporters showing that H. B. Dorner had been elected secretary by a vote of 173 to 110 for H. A. Bunyard.

THAT FIRST MEETING.

(A Paper Read Before the Society of American Florists by E. G. Hill.)

It is hard to realize that twenty-five years have passed since the organization of this society; to several of us here it seems only as yesterday since our initial meeting, though the journey from 1884 to the present time has been diversified by enough momentous incidents to convince us that it has been a full quarter century run.

The central figure of that first meeting was our president, Mr. Thorpe; those of us who were present will never forget how Uncle John in his unconventional manner and in his own unique way presided over our deliberations, nor can we forget his enthusiasm, and confidence in this Society; he was sure that it was a necessity, and positive of its success; it is a pleasure to remember his kindly manner, his tact in disarming criticism of any violation of parliamentary law, his recognition of big or little who had a suggestion to offer, or an amendment to propose. We all realized that we had a thoroughly informed, sincere, and kind hearted man in the chair and every member present came readily and gracefully under the spell of his personality; John Thorpe had most unusual gifts of both heart and mind and at that time he was at the zenith of his power and popularity.

I have surmised that the grouping together of the ex-presidents and of the original members of this Society on this occasion is to show the beneficent workings of Osterization could it be put into general practice; but though we survivors may wear crowns of silver hair and show the markings of time upon our outer man, I trust that we can claim minds serene and unimpaired and still able to face the battles of life—and of trade—with fearless vigor.

It was Arnold of Rugby who told the regents that when he failed to take the stairs three steps at a time, they must look about for a new headmaster for the school, and though many of us who met here twenty-five years ago may not now feel like taking the stairs just in that way, we can rejoice in the possession of an open mind, a determination to avoid the ruts, and a living interest in the best things in floriculture.

Notwithstanding, one of the lessons that we seniors must learn and put into practice as well is the recognition of the fact that our sons and the younger men in the Society have rightfully assumed the positions of responsibility in this organization; this is exactly as it should be; every society, every business firm, needs young blood added to keep it to its highest point of efficiency, and we elders must see to it that we do not supply more than the necessary friction as the wheels go onward.

To the carrying forward of the work of this Society has been given anxious thought, determined effort, unremitting toil, service unstinted and freely rendered by J. C. Vaughan, Myron A. Hunt, Jno. N. May, Robert Craig, B. P. Critchell and others down the line.

I think it right and proper that on this twenty-fifth anniversary we render to the memory of Myron A. Hunt a meed of praise for the splendid ser-

vice rendered the society in its organization and during its earlier years. I sometimes think that we owe to Mr. Hunt quite as much as is our debt to Mr. Thorpe; no service was too heavy, no journey too long for him to undertake if thereby he could get assistance or recruits, or turn any seeming disaffection into loyalty; he was the wise counselor, the devoted friend of our Society, the skilful organizer, and to him was due in very large measure the pronounced success of that first meeting.

Cincinnati was selected as the best place for our first meeting for two reasons, first on account of its geographical position, being intermediate between the west and east, second, on account of the hearty invitation given by the members of the profession in this city. How well these members acquitted themselves is greatly to their credit, for their willingness to help and their cordial welcome awakened a strong fraternal feeling which was of untold value.

I shall always remember with pleasure the arrival of the different delegations from the various sections of our country the night preceding the opening of our meeting; when I looked upon the faces of the men who had come up to that first session I confess I felt relieved and happy, for a great load of responsibility had been rolled away. The spirit of those present from every section of the country seemed to set the mark of approval upon the efforts put forth by those who had taken up the initial work of organization.

If you will look over the report of the proceedings of that first meeting you will find many prophetic utterances regarding the future, not only of the organization but of Floriculture—and most of these prophecies have come to pass. The topics of the papers read on that occasion were eminently practical and of far reaching importance to the trade at that time. I sometimes think we fail to appreciate the tremendous power for good that this society has wielded, but Mr. Vaughan will take up that phase of the society's work, for no one is better qualified or entitled to speak on this subject than he—he has been an indefatigable worker and a tower of strength to the organization down to the present moment.

The one question foremost in the early days of the society was Hail Insurance. This was a vital question which caused prolonged argument and discussion. The formation of the Hail Association was co-incidental with the organization of the Society of American Florists, and the wisdom of its founders is best justified by a study of its finances which you will hear presented by the treasurer.

We have looked in vain for many familiar faces that were present on that first occasion—they have gone on before, having served their day and generation—Myron Hunt, Peter Henderson, J. M. Jordan, Hendricks, John Henderson, Asmus, Scott, Thorpe, the list is a growing one; and though each death seemed a loss beyond repair, the building has been so well founded that the individual stones have been replaced without impairing its strength, a fact which is the highest tribute possible to the wisdom of the founders of the S. A. F.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of *Odontoglossum Crispum*.

Public notice is hereby given that the Julius Roehrs Company, of Rutherford, N. J., offer for registration the plant described below. Any person objecting to the registration of this plant or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description *Odontoglossum crispum*—Blotched variety. Flowers pure white, well formed large lip. Petals, sepals and lips beautifully blotched claret purple extending to the extremities. An exceedingly distinct form of *Odontoglossum crispum*.

Name *Odontoglossum crispum*, variety E. B. Dane.

Registration of *Canna*.

Public notice is hereby given that Vaughan's Seed Store, of Chicago, Ill., offers for registration the plant described below. Any person objecting to the registration of this plant or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description.—Vigorous plant, foliage green, stalk and bracts brown; large flower, brilliant scarlet. Spikes numerous, free flowering, carrying the flowers well.

Name.—This variety came from Vilmorin, Andrieux & Co., Paris, France, under the name "Philadelphia" but as one Philadelphia already exists in this country, we have taken the liberty of naming this "NEW CHICAGO."

W. N. RUDD, Secretary.

August 13, 1909.

NEW YORK TO CINCINNATI.

The New York convention party was large enough to comfortably fill two special cars which, together with a special dining car, were attached to the "Second Empire" train leaving New York City at 12.40 p. m. on Monday. A few Boston, Albany and Syracuse additions were made to the party and a good-sized delegation was taken on at Rochester, these latter occupying regular sleeping car from Buffalo. There were quite a number of ladies and this fact together with the influences of advancing civilization was probably responsible for the quiet and decorum which prevailed and which furnished material for comparisons with some of the strenuous earlier S. A. F. convention trips when hilarity untrammelled reigned from start to finish. Joe Manda and Bob Berry handled the commissary department with consummate skill and if everybody wasn't well supplied with his favorite beverage it was not the fault of these two indefatigable workers. In the party were three members who had attended the first

convention—F. R. Pierson, C. B. Weathered and W. J. Stewart.

A CORRECTION.

In our issue of last week an error crept into the inscription under the portrait of John Thorpe. It was in the last form and was not discovered until several hundred sheets had been run off and sent to the bindery. If any of our subscribers received the incorrect edition we shall be glad to supply them with the revised one on request.

THE CINCINNATI SOUVENIR.

Chairman Carmichael of the Convention Souvenir committee is entitled to the sincerest congratulation upon the eminent artistic and business ability displayed in the fine volume turned out. His cleverness in "touching" the advertising fraternity in the trade so effectively is not among the least of his triumphs.

ROYAL HORTICULTURAL SOCIETY

At the meeting on August 3 the following notable orchids were exhibited: F. Sander & Sons, St. Albans, showed a small group of plants, among which I remarked *Maxillaria venusta* magnifica, an almost pure white flower of large size and nodding in pose like the type; *Cypripedium Martin Cahuzac*; *C. lo grande Charlesworthii*, a flower with a white pouch, dorsal sepal of a rosy purple tint having darker lines and tessellation; *Laelio-Cattleya Antigone* with a rich purple lip, and sepals and petals of a lighter tint, and three-quarters of an inch in breadth where widest; *Dendrobium Sanderae*, pure white in all parts of the flower excepting the lip, which possesses five purple lines—a first-class certificate. Very beautiful was a flowering plant of *Vanda coerulea* var. *Rex*. Messrs. Stuart, Low & Co., Enfield, obtained a botanical certificate for *Eria Armeniaca*, having flowers of a light buff color, produced terminally on a stout, erect stock. The firm likewise showed several singular-looking *Masdevallias*, *Bulbophyllums* and *Oncidium abortivum*. Sir J. Colman showed a plant of *Sobralia Colmanii*, the flowers of which resemble in color those of *Alamanda Schottii*. A plant of *Phaius parviflorus*, with small white pendant flowers obtained a botanical certificate.

F. M.

NEW BEDFORD NOTES.

R. E. Nofftz has been sick, but is now about again.

Mann Bros. of Randolph were visitors of E. H. Chamberlain on August 15.

George Borden of R. H. Woodhouse, is taking his vacation in New Hampshire for the rest of the month.

Peter Murray of Fairhaven is putting up a forcing house, 22x125 ft., and also a cold storage house, 25x50 ft. for bay trees, hydrangeas and bulbs.

Napoleon Lemay has planted his violets in one house, and will plant his whole place of 20,000 square ft. of glass to violets and sweet peas for the coming season.

THE SCIENCE OUTLOOK.

(Abstract of an Address before the American Association of Nurserymen by Dr. L. H. Bailey, Ithaca, N. Y.)

I have no "practical" message to bring to this body of nurserymen today. I desire rather to speak of an attitude of mind and an outlook on the world which applies to the regulation not only of the daily life of every one of us but also to our business organizations and procedure. There is perhaps a special reason for speaking on the science outlook to a body of nurserymen because the nursery business is founded directly on a basis of science; by which I mean to say that the products that the nurserymen raises are secured by the application of scientific methods to the soil and by rational procedure in the propagating, breeding and handling of plants. The nursery business has taken on a wholly new character during the past twenty years, consequent on the application of the results secured by investigators in soil fertility, entomology, plant pathology and a dozen other departments of science. The old haphazard methods have largely disappeared and the mere rule of thumb that is not founded on reason is rapidly passing away. I am encouraged to take up a discussion of this nature because you nurserymen come together on the basis of a scientific program rather than solely to do business or to provide yourselves with recreation.

This year marks the celebration of the centenaries of a number of remarkable men. Amongst others, it has celebrated the one hundredth anniversaries of the birth of Charles Darwin and Abraham Lincoln. Perhaps no two men within the past century have more exactly typified the character of our unfolding civilization than these two. We may be said to be living in a Darwin epoch in the same sense that we are asking for evidence and taking nothing for granted which is not founded on reason and fact; and in a Lincoln epoch in the sense that we care less for the mere forms of argument and of procedure than for the justice of the final results.

We are living in a time when it is considered to be right for a man to inquire, to see for himself, and to draw his own conclusions; for there are many things to find out and the human mind is inquisitive.

We are living in the epoch of evidence. News-gathering and gossiping aside, do not depend on hearsay, nor on opinion, but on the fact and the reasons. We want proof. We are asking what truth is, and then we are not assuming that it is this or that, but are demanding the fact rather than a statement of the authority of any man.

We are living in a time when we are not afraid of our own conclusions. Men have been under bondage to other men from the first. They have been under bondage to the king or ruler, to the priest, to the capitalist, to the politician, and to current public opinion. Gradually we are passing out of our bonds and becoming free. We now enjoy physical freedom; but relatively few persons in the world are really free to think as they will or to draw their own conclusions. While they may not know it, very few persons really want to know the

truth. Very few, relative to the whole number, have open minds.

Our conclusions should follow naturally as a result of a line of work; and it matters not whether anybody is pleased with them or not. An honest man can withhold nothing in the search for truth, nor color his opinions for any persons or for any benefit to himself, or detract anything except on new evidence. When he arrives at a conclusion, he speaks; and when he speaks, he stands.

That is, we are beginning to think as individuals, and not as masses.

We are living in a time of integrity of thought. By this I mean that we follow our thought out to its logical end, and that we do not in any way modify or shade our opinions in order to meet anybody's preconceived notions or to fit our ideas into the frame of thought of our time. It is the intention of the investigator to know no other criterion than truth. If fame attracts him to modify his opinions, he is not a scientific man. If he modifies or understates or overstates his conclusions because he is afraid of them, or because he desires to win favor anywhere or with anybody, then he does not have a really scientific mind and does not have integrity of thought. He does not go where the truth leads him. Darwin wrote well toward the end of his life, "I am sure that I have never turned one inch out of my course to gain fame."

Now, if this spirit were to guide all men it would revolutionize all our business; for a large part of the business of the world is essentially morally dishonest, even though it may conform itself perfectly to the statutory law. It would also revolutionize our politics, for it would take out of political operation the element of expediency and compromise which now dominates it.

There is just as much need that we develop politics and government on a scientific method as that we develop chemistry, or botany, or physiology on that method. It is first necessary actually to study the conditions and determine what are the real facts; then on these facts to establish a constructive procedure and to let the whole question of favor and of patronage be forgotten. Government by patronage and by influence is a phase of an undeveloped society. Only as we found government on evidence and develop it in the scientific spirit can we expect to have really good government, or to make the best progress in civilization.

There is a peculiar disagreement of method in the work of many men as between their week-day attitude toward the world and their Sunday attitude. I see this in persons who are giving their lives to scientific investigation. They may be good scientists in their laboratories, in the sense that they search for fact and are exceedingly cautious not to express even an opinion that is not founded on evidence, and yet when they are out of their laboratories they accept the most impossible reactionary dogmas and theories which have no foundation, so far as we can discover, in either fact or reason. I always distrust the science of such men; or at all events, a presumption is raised in my mind as to whether a man who does not have complete integrity of thought on

one subject is likely also to have it on another. I recognize, of course, that in science and elsewhere we must accept much on faith; but the faith should be reasonable.

It is very difficult for any of us to divest ourselves of tradition and of the notions that have come with us from birth or from childhood. Most of us have positive opinions on a great many subjects on which we have no real knowledge whatever. I often say to my students that they come to college with a whole body of notions and opinions and that the probability is that every one of them is wrong. The larger part of the maxims and "wise saws" by which we guide our lives are probably either untrue, only partially true, or are misleading and unsafe as guides.

The scientific man never sets out to prove anything. He starts out to find what is true. He divests himself of all preconceived notions as to what the result is to be. He merely wants to know what is the fact, and if the fact that he discovers today contradicts the fact that he discovered yesterday, or even contradicts his own public statement of yesterday, he is the first man to acknowledge and to publish the contradiction; and he finds as much satisfaction in the discovery as if he had not made an imperfect conclusion the day before. I knew an experimenter who was very much disappointed that his experiments did not prove his theory and he therefore discarded his experiments. It is a rare quality in a man that he is able to withhold his conclusions until he has the evidence. I am afraid that most of us draw our conclusions and afterwards begin to prove them. That is, we prejudge, or are controlled by prejudice. Any one who has attended courts of law will know exactly what I mean.

If I read the work of Lincoln properly, it is that he was interested very little in the intricacies of argument and in the mere methods of reasoning. He fell back on his native judgment of men and of affairs and on his original sense of justice and drew his conclusions as quickly and as directly as possible. A large part of the debaters of the world are really sophists, more interested in the processes of their reasoning and of their judgment and in their own performance than in the accuracy of their premises, or in the final justice of their results.

These remarks ought to have application to every one of us whether we are investigators or not, and whether or not we are following a business that is founded on scientific fact. Our type of mind determines our attitude toward the world in which we live. There are very few of us, I am afraid, who have a perfectly rational and natural outlook on the world of nature. We are inclined rather to look on the forces of nature as in antagonism with us rather than to put ourselves directly into line with nature and try to work with her rather than against her. It is interesting to catch this note through all the history of mankind and in our literature. The thunder, the lightning, the storm, the wind, and much else, have been thought of as forces which are by nature opposed to us and with which we must necessarily contend. This idea, whether consciously or unconsciously, has entered into our customary attitude of

life and is expressed in our dogmas and in our creeds. I should like to do something, if I can, to enable mankind to overcome the traditional and theological fear of nature.

You, as nurserymen, are interested in country life. You desire to see it developed. The beginning of all real development is a rational outlook on the part of those who live in the open country. Country people must interpret nature from cause and effect, rather than by tradition, notion, or prejudice. The colleges of agriculture and experiment stations are doing just this for country people. Beyond all "practical" application of the work of these institutions is the new and open-minded attitude that they develop on all problems under discussion. They banish all guessing and all think-so. The farmer is now willing to learn and to cast old notions aside; and for this reason, the world is becoming a new world to him and he is beginning to understand his situation. As rapidly as he understands his situation, he will master it.

In a practical way, our attitude toward our own health is an illustration of what I have said. Most of us seem to have an inborn fear of fresh air, for example, especially at night. We shut our doors to nature. We have lived in buildings with narrow windows and have let in the air only grudgingly. We have considered the air to be compounded with miasma and with all kinds of noxious attributes. It is the old idea of the antagonism of nature. We are, of course, overcoming this feeling of antagonism and are developing a real sympathy toward the nature in which we live; but I think that the townsman is in some ways developing more rapidly in this direction than the countryman. I am inclined to think that the town boy, for example, is coming to be more of an outdoor boy than the farm boy is. He is likely to have better physical development, also. The farmer works out-of-doors and then too often escapes from the out-of-doors to the house and shuts himself up. I doubt whether any persons suffer more from lack of fresh air than many of the farmers.

We seem to carry the idea that unhealth is a necessary part of the order of the world. All organs tend to go wrong and must be regulated; and, therefore, we have liver regulators, stomach regulators, nerve regulators, and the like. There are still many persons who look on sickness as a judgment or a punishment rather than to regard it from the rational and scientific point of view. This notion is an expression of the idea that the world is, at best, a poor place to live in, that we are all inoculated with original sin, and that we are pilgrims doing penance. Now the plain fact of the matter is that it is natural to be healthy. It is natural for a fruit tree to bear: we should be careful not to put any obstacles in the way of its bearing. It is an imperative duty that we remove the obstacles to good health. This is much more important than merely to treat disease. We have developed colleges of medicine or of disease. We shall sometime have colleges of health.

Our traditional idea of God as a ruler who sits on a distant throne and manages the universe is another expression of our unsympathy with nature, because we put God above, beyond and

outside of nature. The modern outlook is to find God in nature.

What I have been saying, applies to nurserymen and to all other persons who live in the world. We must accept the natural conditions of the world as they are, and it is the part of reason to work completely in harmony with them, because we cannot make progress or live any satisfactory life otherwise. You, as nurserymen, must go to the bottom of things if you are to found your business on enduring principles. You now have the right to call on the experiment stations and colleges of agriculture to help you to determine the real facts. If there is San Jose scale, it is the responsibility of the man who owns the property to know it, to acknowledge it, to accept the consequences, and to fight it. The presence of the San Jose scale is a fact that cannot be minimized or alleviated by any kind of explanation or by any sort of certificate. It must be attacked. Much has been said in the past against the tree-agent and, I am sorry to say, sometimes, against nurserymen themselves, for what were said to be dishonest practices. I have no idea that such practices are any more common than in other bodies of men, and we hear less about them every year; but even if there were cause for widespread complaint, I think that we could depend on the natural clarification of the business within a very few years, coming as the normal result of the work of scientific men on problems that modify and that underlie the nursery business. It is impossible to have the spirit of truth work itself out in one part of a business without working it out in another part.

I look for a rapidly growing extension of all kinds of nursery business and for three reasons: (1) because there is an increasing love of plants and desire to have them; (2) because the business of growing plants depends so closely on the results of scientific study that the business must constantly tend to be open, clean and honorable; and (3) because the growing intelligence of the people will constantly demand the best standards.

If the nursery business freely avails itself of the scientific knowledge at its disposal, then it has within itself the essential elements for its self-purification and self-development.

BUSINESS CHANGES.

Elgin, Ill.—H. J. Slagle has bought the florist business of H. B. Sullivan.

San Francisco, Cal.—G. Rossi & Bro. have purchased the business of Munro & Walker.

Franklin, Mass.—William Stuart has given up his florist business and removed to Brockton.

Warren, O.—J. E. Walters & Son have purchased the Gaskill greenhouses, three in number, with about 10,000 feet of glass surface.

Alliance, O.—A. B. Barber of Reisch & Barber, florists, has sold out to his partner and will take a position with the Jones-Russell Co. of Cleveland.

Madison, O.—H. G. Taylor has purchased the C. Hagenburger Co. interest in the Madison Greenhouses, of which he has had charge for five years.

News of the Clubs and Societies

FLORISTS' HAIL ASSOCIATION OF AMERICA.

Summary of Secretary's Report for Year Ending August 1st, 1909.

The 31,816,138 square feet of glass insured by the 1,605 members of The Florists' Hail Association of America, are located in 40 different states and territories.

The total receipts for the year ending Aug. 1, 1909, including last year's balance, as per Treasurer's reports, have been \$49,231.05.

The total expenditures, as per Treasurer's reports, have been \$42,116.37.

The cash balance at the close of the year is \$7,114.68, of which \$1,621.64 belongs to the reserve fund, leaving \$5,493.04 in the emergency fund.

The amount of interest collected on Reserve Fund investments for the year is \$881.00. The amount of interest collected on bank deposits for the year has been \$515.93.

Losses representing a breakage of 215,665 sq. ft. of single thick and 231,827 sq. ft. of double thick glass have been paid during the year.

1,400 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$161,000.00.

The 10 per cent assessment on hazardous risks netted the treasury \$65.31.

The estimated liabilities of the Association are, unadjusted losses amounting to possibly \$2,500.

The reserve fund consists of \$20,000.00 in securities and \$1,621.64 in cash, being a total of \$21,621.64.

The losses paid by the Florists' Hail Association since its organization is an indisputable argument in favor of Hail Insurance and the fact that the excessive losses of the past two seasons have been paid without the levy of an extra assessment is a matter of just pride for the officials of the Association, and one for congratulation by its members.

JOHN G. ESLER, Secretary.

NEW ENGLAND DAHLIA SOCIETY.

The New England Dahlia Society will give its second exhibit at Horticultural Hall, Boston, on September 10, 11 and 12. This year's exhibit is expected to eclipse anything of its kind ever undertaken for the reason that all outlooks for good flowers are splendid and with the enormous increase in our society competition in all classes ought to be sharp.

In connection with this exhibit we shall issue a special number of the Dahlia News which no doubt will be one of the most interesting papers ever published on this subject for it will contain articles by many prominent American and English writers. Germany and France will also be represented. Some of the articles will be illustrated, our first attempt in this line with the Dahlia News.

MAURICE FULD, Sec'y.

ST. LOUIS FLORIST CLUB.

On Thursday, August 12th, the annual meeting of the club took place at the home of the Bentzen Floral Co. When President William Young called the meeting to order there were thirty members present including several visitors. After all the opening proceedings had been disposed of and the different committees had reported, the election of officers took place and the following was the result: President, George B. Windler; vice-president, John Connon; secretary, J. J. Beneke; treasurer, W. C. Smith; three-year term trustee, A. J. Bentzen. President Young declined the nomination, saying he did not believe in the third term. It is to be hoped that the members will assist the new officers in their efforts to arouse interest in the meetings and secure new accessions to the club. Joseph Hauser of Webster, applied for membership.

The trustees were instructed to find a new location for club meetings by October. The next meeting will be held with the H. J. Weber & Sons Nursery Co. in Gardenville. The meeting proceeded with the question box and a general talk on carnations, roses and chrysanthemums followed.

After adjournment Mr. Bentzen invited the members to look over his place, which we found in tip top shape; this ended with a fine lunch on the lawn in the rear of the house. A vote of thanks was extended to his company for the afternoon's entertainment.

BUFFALO FLORIST CLUB.

At the next meeting of the club on September 7, William Legg will read a paper on "Summer Flowers in Buffalo Parks." This paper was booked for the August meeting but was held over on account of the small attendance. A full house is expected in September. Other papers will be read at each of the coming meetings. The outdoor paper is being prepared by N. A. Adams on "The Slaughter of the Flowers."

DENVER FLORISTS' CLUB.

A florists' club in Denver, Colo., has been under consideration for some time and the effort bore fruit at a meeting on August 5, when 73 of the craft organized and elected J. A. Valentine president, E. E. Long vice-president, A. H. Bush secretary and John Berry treasurer. The next meeting will be on September 9.

CLUB AND SOCIETY NOTES.

The Lachine Horticultural Society (Can.) will hold the tenth annual exhibition on Aug. 26 in Town Hall.

The annual flower exhibition of the Garden Club of New Canaan, Conn., will be held on the grounds of Mrs. Charles E. Diefenthaler on August 14.

At the Wisconsin State Fair, to be held this fall, there will be a daily demonstration in preparing various compounds used in fighting insect pests and diseases that attack fruit and vegetables.

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

About thirty-five members of the club visited the nurseries of W. B. Whittier & Co. at South Framingham, on Saturday, August 14, and were delightfully entertained by Mr. Whittier and his assistants who took them through the extensive grounds, comprising 175 acres, planted with evergreens choice and rare, blue spruce in splendid condition, peonies and flowering stock that made one doubt it was the end of the season. A cold storage house, warranted frost proof, 60 x 150, has just been constructed. A piece of woodland is being cleared to make room for a shipment of rhododendrons in addition to the large stock already carried. A recent purchase of land will give this firm a tract of 250 acres, and it was the sentiment of the visitors that it is one of the finest nurseries in New England. Refreshments were served; remarks were made by William Downs, president of the club, T. J. Grey, Messrs. Butterworth and Palmer, and fittingly responded to by Mr. Whittier. Although it was late when the party broke up several of them went on to S. J. Goddard's place where they found the violets and all the stock in the house in prime condition. Altogether this was one of the most enjoyable outings the club has had.

MARKET GARDENERS' ASSOCIATION OF BOSTON.

The field day of the Market Gardeners' Association of Boston, was held at Peddock's Island, in the harbor, on Saturday, August 14. Over 300 were present and the affair was a most brilliant success. After a sumptuous dinner the athletic games were run off, with winners as follows:—

One hundred yard dash—W. E. Belleville.

Pat men's race—Patrick Hurley.

Sack race—W. W. Rugg.

Old men's race—George D. Moore.

Three-legged race—W. E. Belleville and W. G. Waite.

Running broad jump—W. E. Belleville.

The event of the day that attracted the most attention, however, was the quoit match, doubles and singles. Long and earnestly was this match fought out. Several remarkable exhibitions of quoit throwing were made by the contestants. When George Purington, one of the most popular men in the market district, won the singles and again with E. F. Skahan won the doubles, the air was rent with cheers. A baseball game closed the day's sports.

The committee of arrangements consisted of E. F. Skahan, George Purington and J. P. Esty.

The committee in charge of the sports consisted of George Lovell, Fred Moore and T. F. Donahue.

ALBANY (N. Y.) FLORISTS' CLUB.

Over one hundred persons enjoyed the third annual outing and clam-bake held by the Albany Florists' club at Henkes Brothers' grove near Newtonville. The day was spent in looking

over the new greenhouse and in sports and games.

James S. Snyder of Rhinebeck, won the fat men's race and received an umbrella. The other contests were as follows: Boys' race, Herbert Kurth; free for all, George Skiunkel; ladies' race, Miss Belle Reilly; sack race, John G. Young; broad jump, and hop, skip and jump, William Newport. A five-inning baseball game was played late in the evening between picked up teams representing the retailers and the growers. The game resulted in a victory for the growers by a score of 6 to 5. Kurth and Butts acted as battery for the retailers, and Newport and Haggerty for the growers. J. H. Snyder was the only one to make a home run, a surprise to all as he is the fattest member of the club.

The outing was held this year two weeks earlier than usual, because the club is making extensive preparations for its first flower show to be held in the state armory in November.

BIG PLANT BUSINESS OF HELLER BROS. TRANSFERRED TO THE DINGEE & CONARD CO.

A deal was consummated this week by which the live plant business of Heller Bros. was transferred to the Dingee & Conard Company of West Grove, Pa. This does not include the cut flower business, known as the South Park Floral Company.

The negotiations were made by Mr. P. Joseph Lynch and several of his associates, who were here several days. Mr. Lynch is the financial man and general manager of the Dingee & Conard Co., which is the largest mail order rose growing concern in America. It was our pleasure to meet Mr. Lynch, and he impresses one as a very live wire in any undertaking.

The business would not have been sold if Herbert Heller had lived, he having had active charge of this department, but Myer Heller has too many other interests to devote the time to properly carry it on. The business will remain here and be run under the name of Heller Bros., the new owners having purchased the entire stock and good will of Heller Bros. The glass covers an area of about forty thousand square feet.

It is the purpose of the new owners to eventually make this the equal of their mammoth place at West Grove, Pa. Mr. Lynch will not move here but will make frequent visits in addition to having a competent manager.—New Castle (Indiana) Times, Aug. 14th.

SASSAFRAS OFFICINALE.

(*Laurus Sassafras*, L.)

This tree, abundant in New England woods, is, our London correspondent states, rare in England and Middle European countries. He sends the following interesting note which is worthy of attention from nurserymen and tree seed gatherers.

"In the neighborhood of London, a few examples may be found—a tree 30 feet in height having a crown of 20 feet in diameter, and of perfect shape is growing at Cannizaro House, on the border of Wimbledon Common. At Guessen, in Germany, the tree when young is affected oftentimes by hard frost. At the Botanical Garden at that place, specimens were killed to the ground level in the cold winter of 1879-

RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

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ENGLAND

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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Geneva, N. Y.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

89, and the male plant was killed outright, while the female made strong growths from the stump, out of which, a stem and crown, have developed into an example 25 feet in height and of columnar form.

"Sassafras officinale has been cultivated in Europe since the 16th century as an extremely important medicinal subject, and it is surprising that this handsome foliage plant, on which scarcely a leaf resembles another, should not be more common in gardens. The difficulty in propagating must account for this; and root suckers rarely occur even on large trees, (one is found on the Borromei Island in Maggiore Lake). Seeds with vegetative power, for the reason that the species is dioecious, are also rare; and American harvested seeds, as a rule have lost their vitality. It is necessary to gather the seeds as soon as they are ripe, enclosing them in powdered charcoal or dry peat, in air tight soldered tin boxes and despatch these forthwith to their destination." F. M.

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IN BEST VARIETIES. VERY FINE STOCK.

\$3.50 per 100, \$30.00 per 1000

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New Rochelle, N. Y.

ROSES

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Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

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EVERGREENS

Abies Balsamea, Concolor, and Fraseri; Junipers of various varieties; Picea Alba, Engelmanni, Excelsa, Pungens glauca, and Pungens Kosteri; Pinus Excelsa, Mugho, and Strobus; Pseudo-Tsuga Douglassi; Retinosporas, assorted; hardy Taxus, such as Canadensis, Cuspidata, and Brevipolia; Thuja Occidentalis, Globosa, Peabody's Golden, Pyramidalis, and Siberica; Tsuga Canadensis, Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor, Picea pungens, and Pinus Strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always advisable. Boston and Worcester Electricians pass our grounds.

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South Framingham, Mass.

EMINENT NOVELTY 1909

New Hardy

Yellow Border Carnation
"Comtess Knuth"

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November.

Strong layers, \$20 per 100. Vigorous

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WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggenhof, Pres.; Burnet Landreth, Sec'y.

The Effect of Recent Rain on Crops.

At last the protracted drought has been effectively broken, but too late to benefit many crops. The rain of the early part of this week was a real soaker, extending over nearly 48 hours. As a rule it came down gently, and was eagerly drank by the thirsty earth. It will do corn much good, and particularly late varieties, but a warm, late fall will be required to mature the crop, which at best will be light in the east. In some sections it may prove of more injury than benefit. Onions, which had as a rule matured, may start a second growth, making them soft and poor keepers.

A report that there will be a bumper crop of onions hardly seems justified under existing conditions. As a rule the bulbs will be small, and probably this fact will militate against the price, and growers will not realize as much for the crop as though they were of larger size, while the net yield will no doubt be smaller.

At this writing it is not known how extended the rain has been, but within its area the sowing of fall crops has been made much easier, and the acreage is likely to be much larger than a year ago and especially of winter grains.

Shortage in Pea Crop a Certainty.

The predicted heavy shortage in the pea crop becomes more a certainty every day, and as the season advances, any lingering hopes that conditions might not be as bad as represented are fading before sad realities. Verily the path of the pea and bean grower is beset with thorns, for what with the grumblings of his customers and the deep discontent of the farmers as a result of repeated crop disappointments, he is himself an unhappy, disappointed man. It is a foregone conclusion that the farmers will demand more money for next year's crop, and it will be harder than ever to secure acreage, while the seedsmen and canners will balk most determinedly against any advance in prices. Lo, the poor seed grower! He goeth forth in the winter to seek for orders, and gathereth a goodly sheaf by the springtime, when he becometh exceeding light of heart and very cheery, but ere the sere and yellow leaf of autumn, he is much cast down and sigheth for the simple life or a lodge in some vast wilderness. And his troubles have just commenced.

GIANT PRIZE PANSY SEED

Our Giant Strain of Pansies should not be compared with the ordinary Giant Grimardeau, as the seed we offer will produce flowers of much heavier texture.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Azure Blue.....	.40	\$2.00	Peacock.....	.50	\$4.00
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Emperor William...	.40	2.00	Striped and Mottled	.40	2.00
Hortensia Red.....	.40	2.00	White with Eye.....	.40	2.00
King of the Blacks...	.40	2.00	Pure Yellow.....	.40	2.25
Lord Beaconsfield...	.40	2.00	Yellow with Eye.....	.40	2.00

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Write for our Midsummer Wholesale Catalogue.

Henry F. Michell Co., 1018 Market St., Philadelphia, Pa.

CALIFORNIA GARDENERS RE- PUDIATE THE "WIZARD."

The following resolution was unanimously adopted by the Pasadena Gardeners' Association at a recent meeting:

"Be it resolved, that the Pasadena Gardeners' association hereby strongly condemn the nature-faking methods and the exploitations of alleged but false new creations by Luther Burbank, and deplores the fact that a false impression has been given the public concerning plant breeding by Burbank. It is the sense of this association that this impression should be corrected."

The meeting was held in the assembly room of the Pasadena board of trade, and about one hundred gardeners and florists were present. It was attended not only by members of the association, but a large delegation from the Los Angeles florists' organization, some of whom took part in the discussion. The discussion occupied the entire evening, and the feature of it was a report made by a personal representative of the Southern California florists and gardeners who was recently sent to Santa Rosa to investigate Burbank and his claims.

We thought it would come to this in due time. Where a man feeds on flattery from irresponsible and ignorant sources and studiously ignores those whose knowledge and experience qualifies them to judge of his achievements, accepting silly public adulation for unproven merit, without protest, he has nobody to blame but himself when exposure and disgrace come, as they inevitably must in these days of enlightened publicity. Then, all the things that he may have creditably accomplished must suffer in the sweeping condemnation which is sure to follow.

CATALOGUES RECEIVED.

Wm. Elliott & Sons, New York.—Midseason list of Pot Grown Strawberry and Vegetable Plants.

T. C. Thurlow & Co., Cherry Hill Nurseries, West Newbury, Mass.—Wholesale List of Select Peonies, Iris and Phlox with Cultural Directions.

Stuart Low & Co. report that although they have experienced an abnormally wet and cold season, cyclamen and schizanthus seed are average crops. The only novelty in the cyclamen way this year is Salmon Pioneer, of the crested tribe, a soft salmon not so intense in color as Low's Salmon King, and which is a useful addition to this class.

THE STALK BORER.

A rhubarb stalk was sent to the Division of Zoology of the Pennsylvania Department of Agriculture for examination, and Professor H. A. Surface, the State Zoologist, found it infested by the insect known as the Stalk Borer (*Papaipema nitela*). In sending a report concerning this pest to the person from whom the specimen plant was received, Professor Surface said:

"This is a very curious pest because it bores in the stalks of many kinds of cultivated plants; likewise into other plants, as well as weeds, large enough to nourish it. I note with interest that you found it boring in corn stalks. It is destructive to potatoes and tomatoes, and to the stalks of many kinds of flowering plants, but I have not before found it in the rhubarb.

"I do not believe that you will continue to find it becoming a serious pest on the farm if you will follow the directions given below. You cannot kill it after it once attacks the plant, and save the infested stalk, because it bores in the inside and the remedies usually employed for insects will not reach it. Therefore, it must be destroyed, or prevented, by the following means:

(1) Mow all weeds, of whatever kinds, that have stems large enough for the borer to enter. Do this at least once every six weeks.

(2) Gather and burn all infested stalks, or parts of cultivated plants, as soon as the borers are seen.

(3) As soon as potatoes are removed from the ground rake the vines together and burn them immediately. Do not wait for the vines to become dry, but throw them on a hot brush fire at once.

(4) Likewise, destroy tomato vines as soon as possible after the crop is gathered, and in fact other plants where this can be done.

(5) Rotate, or change, crops, so that the same kind of crop does not grow many years in succession on the same ground."

New Spawn

100 lbs. \$7.00

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Giant Crimson Giant Blood Red
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Giant White Picturatum, claret base
Pink with claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

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Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00.

For larger quantities, special quotation.

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CABBAGE. Succession, Flat Dutch and Savoy \$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self Blanching. \$1.00 per 1000. \$8.50 per 10,000.

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We can supply the following books, postpaid, at the prices listed:—

The American Carnation. C. W. Ward. Price, \$3.50

Chrysanthemum Manual. Smith. Price, 40 cents.

The Chrysanthemum. Herrington. Price, 50 cents.

Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.

Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.

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LAKE STEAMERS
NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N.Y.

Of Interest to Retail Florists

Des Moines, Ia.—A new plate glass
front is going in at Lozier's east side
store.

Cedar Rapids, Ia.—J. E. Lapes will
open a store in the Boyson Pharmacy
Sept. 1.

Buffalo, N. Y.—Work on the store
of C. E. Schoenhut, at 352 William
street, is under way.

Des Moines, Ia.—The Guthrie & Lo-
renz Co. has moved to the corner of
Grand avenue and 7th street, where
they have double their former space.

Indianapolis, Ind.—The finest speed-
way in the country has been completed
in this city at a cost of \$250,000. A
miniature reproduction proved a popu-
lar attraction in the window of Berter-
mann Bros. Co.

STEAMER DEPARTURES

Allan.

Laurentian, Boston-Glasgow, Sept. 3

American.

St. Louis, N. Y.-S'ampton, Aug. 28

Philadelph'a, N. Y.-S'ampton, Sept. 4

Atlantic Transport.

Minnehaha, N. Y.-London, Aug. 28

Minnewaska, N. Y.-London, Sept. 4

Cunard.

Ivernia, Boston-Liverpool, Aug. 24

Mauretania, N. Y.-Liverpool, Aug. 25

Caronia, N. Y.-Liverpool, Aug. 28

Carpathia, N. Y.-Med't'n Pts, Sept. 2

French Line.

La Savole, N. Y.-Havre, Aug. 26

La Lorraine, N. Y.-Havre, Sept. 2

Hamburg-American.

Bluecher, N. Y.-Hamburg, Aug. 25

Amerika, N. Y.-Hamburg, Aug. 28

Holland-America.

New Amst'd'm, N. Y.-Rot'm, Aug. 24

Potsdam, N. Y.-Rotterdam, Aug. 31

Leyland Line.

Canadian, Boston-Liverpool, Sept. 1

North German Lloyd.

Wm. der Grosse, N. Y.-Bre'n, Aug. 24

Fr. der Grosse, N. Y.-Bre'n, Aug. 26

Pr. Irene, N. Y.-Med't'n Pts, Aug. 28

White Star.

Majestic, N. Y.-S'ampton, Aug. 25

Celtic, N. Y.-Liverpool, Aug. 28

Laurentic, Montreal-Liverp'l, Aug. 28

INCORPORATED.

Brooklyn, N. Y.—The Smart Set
Floral Co. of New York; by Henry
Pearlman and others; capital, \$5,000.

Jamestown, N. Y.—The work of re-
planting and repairing at the Lake-
view Rose Gardens, has been progress-
ing actively at this immense establish-
ment during the past three months.
Lawrence Cotter, the superintendent,
is one of the busiest of men these
days. Two hundred and fifty thousand
feet of pecky cypress have been used
so far this season. Forty Italians and
seven double teams have been at work
continuously since the first of May,
emptying and filling benches. Up to
July 27th, 50,000 young roses had been
planted; 35,000 carnations, and 25,000
chrysanthemums. There are 130,000
carnations in the field, 90,000 of which
will be planted indoors. G. C. W.

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part of the United States, Canada, and
all principal cities of Europe. Orders
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In Brooklyn and other Long Island Points
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Theatres, Hotels, Steamers or Residences.

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Theater, Steamer and Funeral Flowers Our Specialty
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In Quality and Design

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For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from

FLORIST
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MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Theo. Hanschke, 851 N. California Ave., is enlarging his retail store and making many improvements.

Winterson's Seed Store was the first Chicago firm to receive goods and pay duty under the new tariff law. They received a car load of bulbs, Roman hyacinths, freesias, and others from France.

Stankowicz & Benda is the name of a new firm having a flower store at 2928 Milwaukee Ave. Mr. Stankowicz has for 14 years been superintendent of the Polish and Bohemian cemetery at Niles, Mich.

The firm of Scheiden & Schoos is no more. Mr. Scheiden has bought out his partner and will hereafter conduct the business alone. This firm sent out the red carnation Pres. Taft last year. Mr. Schoos will probably go into business alone in the near future.

Personals.

Sidney Wifin spent Sunday in Milwaukee.

Richard Schmidt of F. Oechslin's, will attend the convention and also visit his mother at Covington, Ky.

Theo. Vogel of Smyth's, will go to Cincinnati for two weeks, visit his old home and take in the convention.

Ernest Farley of Chas. McKellar's, has returned from a month at Indianapolis, where he has visited his mother.

Visitors:—J. J. La Borius, Duluth, Minn.; Mr. Tjensvold of Superior Floral Co., Superior, Wis.; Mr. and Mrs. R. E. Tuttle of Moline, Ill.; Wm. Graff of Columbus, O.

A. F. Longren is suffering from a serious eye complication which has obliged him to lay aside business for a time. He expects to leave with the Cincinnati party, however.

An extremely severe rain storm visited Chicago on the morning of the 14th. Between the hours of four and nine o'clock the government report says 3.46 inches of rain fell.

Peter Weiland of Newcastle, Ind., and Geo. Weiland of Evanston, are calling on friends with their brother Henry of California who went west four years ago to seek recovery for asthma. Mr. Weiland is greatly improved but must remain in California.

Wm. J. Smyth was able to leave the hospital last week but his entire recovery is still some distance in the future. When his leg was put in a cast it was with the knee bent, and when the cast was removed the ligaments were loosened so the limb could be straightened. It is extremely painful to attempt to bend the knee and Mr. Smyth will return to his summer home, where the accident happened, for a prolonged rest.

On to the Convention.

With the cars bearing banners 25 feet long and tastefully decorated with fresh flowers, with calliope screaming and the "German Band" making sweet (?) music, the convention train pulled out of the Polk street depot at exactly 2.42. The commissary car, Harry Philpot in charge, went ahead fairly shining with great bunches of Golden Glow and festoons of yellow daisies. Here

the calliope was located; and included in the abundance of eatables were a hundred lunch boxes provided by the Club. The rear of the observation car was covered with carnations and asters, and at the lower end appeared the banner "We're going too; The Ladies S. A. F. & O. H." The members of the Little German Band marched up the platform just before the train started out, and the long white coats did not disguise our well-known florists, many of whom posed as musicians for the first time. Others might have been there had the coats been larger.

About twenty florists from various western points arrived in the early morning.

Genial Phil. Foley was here, there and everywhere, and the last to board the train.

PERSONAL.

Visitors in Boston—Ed. Roehrs, Rutherford, N. J..

Alfred Bunyard has resigned his position with the Rosary Flower Co., New York, N. Y.

Edward F. Schmid, of Washington, D. C., has taken a position with A. B. Fox of Pittsburg.

Harry L. Hunt will resume the management of the greenhouses of the Kearney Floral Co., Kearney, Nebr.

Wm. Tricker has taken the position of foreman at the Florham Farms greenhouses of C. H. Totty, Madison, N. J.

W. A. Manda will continue westward from the Cincinnati convention on a three months' trip to the Pacific coast.

The parents of T. J. Mooney of the Ansonia Floral Co., Ansonia, Conn., celebrated their golden wedding on August 11.

George Ostertag, superintendent of parks, sustained serious injuries recently in falling from his carriage and at last advice was in the hospital.

Edw. Ernhorn, state horticultural quarantine officer at the port of San Francisco, has resigned and accepted an appointment as superintendent of entomology and inspection at the port of Honolulu. He will assume his new duties October 1.

Arthur T. Herrington, who has hitherto held the position of manager of Florham Farms park and commercial greenhouses, has been appointed landscape architect for the park, a position which he is eminently fitted to fill. We understand that the improvements contemplated by Mr. Herrington will place Florham in the highest rank among the notable estates of this country.

Sunday gardening on "allotments" has been prohibited by vote of the Urban Council at Tunbridge, England. There are of course, two sides to such questions but local public opinion is usually a better controller than enactments. Caring for the welfare of plants and trees does not greatly differ from similar attention given to animals and comes much closer to the classification of "necessary labor" than many things which are universally approved of on "the Lord's day", throughout the civilized world.

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Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 233 Michigan Ave.
Chicago—William J. Smith, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMukin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tailby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

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THOS. F. GALVIN

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Your orders for flower or plant delivery in Eastern New England to

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50,000 CARNATION PLANTS

PINK	WHITE	MISC.
Winsor	Sarah Hill	Beacon, red
Enchantress	Perfection	H. Fenn,
Rose Pink	Lady Bountiful	crimson
Enchantress	Queen	Harlowarden
Afterglow	Queen Louise	Irene, yellow
Aristocrat	Boston Market	Red Seedling
Jooste	Lt. Peary	

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Seedsman, Plantsmen, Nurserymen
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We can supply everything used by the
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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
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Write for quotations on large quantities.

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ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
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226 Devonshire Street,

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WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 15		Aug. 16		Aug. 16		Aug. 18	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00	12.50	to 15.00
" No. 1	15.00	to 20.00	12.00	to 15.00	8.00	to 10.00	4.00	to 8.00
" Lower grades	5.00	to 10.00	5.00	to 10.00	4.00	to 5.00	2.00	to 3.00
Beide, 'Maid, Chateaux, F. & S.	5.00	to 6.00	4.00	to 6.00	4.00	to 5.00	3.00	to 6.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00	.25	to 1.00
Killarney, Fan. & Sp.	5.00	to 6.00	4.00	to 7.00	4.00	to 6.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.25	to 1.00
Richmond, Fancy & Special	5.00	to 6.00	5.00	to 8.00	4.00	to 6.00	4.00	to 6.00
" Lower grades	3.00	to 4.00	3.00	to 5.00	2.00	to 3.00	.25	to 1.00
My Maryland, Kaiserin	5.00	to 10.00	.....	to	6.00	to 8.00	.50	to 8.00
CARNATIONS								
	1.00	to 2.00	1.00	to 2.50	1.50	to 2.00	.50	to 1.00
MISCELLANEOUS								
Gladioli	3.00	to 6.00	3.00	to 5.00	2.00	to 5.00	2.00	to 6.00
Asters	1.00	to 3.00	1.00	to 2.00	.50	to 2.00	.15	to .75
Carthayas	35.00	to 50.00	40.00	to 50.00	.....	to 75.00	30.00	to 40.00
Lilies	8.00	to 10.00	10.00	to 12.50	12.50	to 15.00	8.00	to 10.00
Lily of the Valley .....	.....	to 3.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette	3.00	to 5.00	2.00	to 3.00	.....	to 1.00	1.00	to 2.00
Sweet Peas .....	.25	to .50	.40	to .50	.40	to .50	.05	to .20
Gardenias .....	.....	to .....	.....	to 50.00	.....	to 20.00	8.00	to 20.00
Adiantum .....	.....	to 1.00	.75	to 1.00	1.00	to 1.50	.75	to 1.25
Smilax .....	.....	to 12.00	10.00	to 15.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100) ..	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 30.00
" " & Spren. (100 bchs.) ..	15.00	to 20.00	35.00	to 50.00	25.00	to 50.00	15.00	to 25.00

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Roses and
Carnations
A Specialty.....

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Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports.

The severe storm the **BOSTON** first few days of the week has had quite an effect upon the market, and as a result both asters and sweet peas have suffered. American Beauties have a fair demand and the supply is good. There is a shortage of white roses and what few are seen in the market are short stemmed and of little value. Gladioli are plentiful.

The past week trade **BUFFALO** had not improved over previous weeks. Saturday being "clean up day" the abundance of stock which was figured to be sold still remained with the wholesaler, especially roses of ordinary quality. The early aster crop is about over and those that were had the past week have been short stems and small blooms, but any select stock was picked up quickly. Mixed varieties of gladioli are also plentiful, a good portion being carried along. In the rose line there is much to be said. The severe hot spell brought shipments of White Killarney, pink Killarney, Kaiserin, Richmond, Detroit and others in full open condition with very weak demand. Beauties have had a better call and have sold exceedingly well. There are plenty of all kind of lilies, also smilax, adiantum, asparagus and ferns, nothing short in this line.

At no time of this year **CHICAGO** has the market apparently been duller than at the beginning of the last half of August. Carnations are still an unknown quantity. Asters might almost as well be, and there is little hope for any better stock from the late aster plants because the early drouth stunted the growth. Roses are gaining. The two summer favorites, Kaiserin and Killarney, are fair both in quality and quantity and Maryland is also fairly good. Beauties are gaining, but there is not a heavy demand at present. The dull season is at its dullest, and an unusual number of florists are taking advantage of it to be off on a vacation trip. Some really good gladioli are in the market but find slow sale

The market is with-
NEW YORK out feature; dullness prevails. A more than ample supply of asters makes clearances difficult. There are nearly all varieties of roses to be had and some of very good quality; but the bulk are short stems or mildewed and these bring but a trifle. Of carnations only a limited number are received and these do not move rapidly every day. Lilies are in good supply and outdoor stock generally is having a hard time of it for there is much of it. Orchids and gardenias are light in supply.

Market a gain
PHILADELPHIA glutted last week with an exuberance of flowers. The worst offenders

were asters and gladioli. Asters remained very poor quality, but the later varieties are now commencing to arrive, and, with the recent rains, things will soon be much better with this crop. Roses generally were too plentiful with the exception of American Beauty. The flowers of the latter are rather small but otherwise good; excellent as to color and foliage. Killarney sold better, although there are a great many shorts coming in that have to be sold cheap. Kaiserin is still the leading white rose but there are a few nice Brides arriving. Carnations remain scarce and of poor quality. Lily of the valley is good and cleans up to supply limit. Not enough orchids for the demand. Gardenias are improving right along. All kinds of greens far too plentiful.

WASHINGTON (said by wiseacres to be the worst in seventeen years) has finally been broken by several showers, but not enough rain has fallen to relieve the situation materially, though vegetation has been



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Washington Store, 1212 New York Ave.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 16	DETROIT Aug. 16	BUFFALO Aug. 16	PITTSBURG Aug. 16
ROSES				
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	15.00 to 18.00	15.00 to 20.00	12.50 to 15.00
No. 1	8.00 to 12.00	10.00 to 14.00	5.00 to 10.00	6.00 to 10.00
Lower grades	4.00 to 6.00	4.00 to 8.00	3.00 to 4.00	2.00 to 4.00
Bride, 'Maid, Chateauf, F. & S.	3.00 to 6.00	4.00 to 6.00	5.00 to 6.00	2.00 to 6.00
Low. gr.	3.00 to 4.00	2.00 to 4.00	4.00 to 5.00	2.00 to 4.00
Killarney, Fan. & Sp.	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
My Maryland, Kaiserin	3.00 to 5.00	..... to .....	..... to	4.00 to 8.00
CARNATIONS				
	1.00 to 2.00	.75 to 1.50	1.00 to 2.00	..... to 1.50
MISCELLANEOUS				
Gladioli	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Asters	1.00 to 3.00	.50 to 1.50	.50 to 1.00	.50 to 1.00
Candies	..... to	35.00 to 50.00	40.00 to 50.00	..... to 75.00
Lilies	10.00 to 12.00	12.50 to 15.00	8.00 to 12.00	10.00 to 12.00
Lily of the Valley	..... to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Mignonette	..... to .....	.50 to 1.00	.50 to 1.00	.50 to 1.00
Sweet Peas	.35 to .50	.25 to .50	.50 to 1.00	.25 to .50
Gardenias	..... to	20.00 to 30.00	20.00 to 30.00	20.00 to 25.00
Adiantum	..... to 1.00	..... to 1.50	.50 to 1.00	..... to 1.25
Smilax	10.00 to 12.00	15.00 to 20.00	..... to 15.00	..... to 15.00
Asparagus Plumosa, string (100)	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	30.00 to 50.00
" " & Spren. (100 bchs.)	20.00 to 30.00	30.00 to 50.00	40.00 to 50.00	30.00 to 50.00

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 14 1909		First Half of Week beginning Aug 16 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Extra.....	6.00	to 10.00	6.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary and White.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
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Wholesale and Retail Dealers in all kinds of
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 Fancy and Dagger Ferns
 Bronze and Green Galax
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 Phone 1202 Mad. Sq. New York

GROWERS' CUT FLOWER CO. **CUT FLOWERS
AT
WHOLESALE**
**VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES**
 Consignments Solicited, Shipments to Order, any Distance
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MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
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 Tel. 4591 Main

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Ship us some stock. We need a large supply of all kinds of flowers, Roses, Carnations, Sweet Peas, Narcissus, Summer Stock, etc., for our new store. Reliability and responsibility first-class. Good prices and prompt returns. Good opportunity.

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NEW YORK
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PERS OF CUT
FLOWERS.**
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Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Massware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

Don't Take Any Fake
SILKALINE!
See that the spoons you buy are stamped on the reverse
end with the name of
JOHN C. MEYER,
LOWELL, MASS.

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
\$5,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

SOUTHERN WILD SMILAX
Now ready in limited quantity.
E. A. BEAVEN
EVERGREEN, ALABAMA.

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brook'yn. N. Y.
Sale by all Supply Houses

Southern Wild Smilax
Satisfaction Guaranteed
Louisville Floral Co., Louisville, Ala.

PHILADELPHIA NOTES.

Paul Huebner of the Reading R. R. landscape department, has been suffering from a severe attack of acute indigestion for the past three weeks. He is now in the Episcopal Hospital at Front and Lehigh avenues, and at latest reports it was feared he would have to remain there for some time.

P. Joseph Lynch, of the Dingee & Conard Co., passed through our city on the 14th inst., on his way home from New Castle, Indiana, where he

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.



1887 ESTABLISHED 1909
KEEPING OPEN HOUSE THIS SUMMER
TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON
TOP PRICE AND PROMPT RETURNS
J. K. ALLEN
106 W. 28th St., N. Y.
Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 14 1909		First Half of Week beginning Aug. 16 1909	
Cattleyas.....	25.00	to 40.00	30.00	to 40.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Gladioli.....	.25	to 3.00	.25	to 3.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 4.00
Gardenias.....	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprea. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

had been completing the deal for the purchase of the Heller Bros.' establishment. His purchase will add some forty thousand feet of glass to the seventy greenhouses operated by the company at West Grove, Pa. A detailed account of this new enterprise will be found in another column.

After attending the convention, Joseph Heacock of the Joseph Heacock Co., Wyncore, will make a trip west for a few weeks. His journey will extend as far as British Columbia where his son was lost over two years ago. The Heacock Company has made an important purchase of real estate recently. The tract is fifty-eight acres in extent and is located at Rockliff Station on the Philadelphia-New York branch of the Reading R. R., eighteen miles north of their present location. Of late years the soil difficulty has been getting more and more acute around Wyncote. The new place is about half a mile from the station, on a level road, with good soil and good water. They expect to commence building early next spring. The houses

will be built especially for rose growing—the intention being to operate the present range exclusively for palms and pot plants.

Business in New Bedford, Mass., is very quiet, and with plenty of flowers from the gardens of the florists the rubbish heap seems to be the best customer.

SALE of STALLS

The Sixth Annual Sale of Stalls in the Boston Co-operative Flower Market will be held on Saturday, August 28, 1909, at Music Hall Place, Winter Street, Boston, Mass., at 9 A.M. All growers of Flowers will find it to their interest to attend this sale.

E. CARTWRIGHT Pres. JOHN MCFARLAND Sec'y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
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AMPELOPSIS.

A. L. Miller, Jamaica, opp. Schenck Av.,
Brooklyn, N. Y.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
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ASPARAGUS

Asparagus plumosus from 2½ inch pots,
\$2.50 per 100; \$22.50 per 1000. Cash with
order, please. Floral Hill Gardens, G. F.
Nelp, Prop., Chatham, N. J.

ASTERS.

J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

AUTOMATIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes,
Pyramid and Standards. Write for list.
Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Phila-
delphia, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.
B. A. Butler & Son, Niagara Falls, N. Y.
Lorraine Begonias.

"Begonia Gloire de Lorraine," strong
stuff ready for 4 inch pots, \$15.00 per 100,
\$140.00 per 1000; extra large plants from
4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants,
\$25.00 per 100; extra large plants from 4
inch pots, \$50.00 per 100. All propagated
from leaf cuttings.
Cash with order from unknown corre-
spondents. J. A. Peterson, McHenry Ave.,
Westwood, Cincinnati, O.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.
Kroeschel Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
The Castle Co., 170 Summer St., Boston.

BOOKS

Pronunciation of Plant Names, sent for
50 cents, postpaid, by HORTICULTURE
PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
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BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St.,
New York.
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A. T. Hoddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
Bermuda Lilies.
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Yokohama Nursery Co., 31 Barclay St.,
New York.
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Ralph M. Ward & Co., 12 W. Broadway,
New York.
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Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
French and Dutch Bulbs.
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Peter Henderson & Co.,
Bulbs for Autumn Planting.
35 and 37 Cortlandt St., New York.
James Vick's Sons, Rochester, N. Y.

CALLAS

H. F. Michell Co., 1018 and 518 Market St.,
Philadelphia.
Callas, Japan Grown.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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The E. G. Hill Co., Richmond, Ind.
Field Carnations.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnations Plants.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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I. M. Raynor, Greenport, L. I., N. Y.
Field Grown Carnations.
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CARNATIONS—Continued

Hjalmar Hartmann & Co., Copenhagen,
Denmark.
Carnation Comtesse Knuth.
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Bassett & Washburn, 76 Wabash Ave.,
Chicago.
O. P. Bassett Carnation Plants.
August Gaedeke & Co., Nashua, N. H.
Carnations, Field Grown.
For page see List of Advertisers.
5000 Field-grown Carnation Plants, No. 1
stock; White and Pink Enchantress, White
and Pink Lawson, Lady Bountiful, White
Perfection, Victory, H. Fenn, \$5.00 per 100.
R. Engelman, Pittsfield, Mass.

CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum
mailed to your address for 50c, by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CLEMATIS

A. L. Miller, Jamaica, opp. Schenck Av.,
Brooklyn, N. Y.
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CONIFERS

John Waterer & Sons, Ltd., American
Nursery, Bagshot, Eng.
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CUSTOM HOUSE BROKERS

Fredk. H. Griffin, 88 Broad St., Boston.
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John Dunn, Jr. & Co., Bourse Bldg.,
Philadelphia.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN.

R. & J. Farquhar & Co., Boston.
Giant Strain.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Wilmore's Dahlia Manual will be mailed
for twenty-five cents by HORTICULTURE
PUBLISHING COMPANY, 11 Hamilton
Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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W. B. Whittier & Co.,
South Framingham, Mass.
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Bobbink & Atkins, Rutherford, N. J.
American Nursery Co., 150 Broadway, N. Y.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 2572 W. Adams St.,
Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St.,
Philadelphia.
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The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantissima Compacta.
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Henry A. Dreer, 714 Chestnut St., Phila.
Nephrolepis Scholzei.

Jardinere Ferns, 6-7 best varieties, \$3.50
per 100; \$30.00 per 1000. Rose Hill Nurse-
ries, New Rochelle, N. Y.
For page see List of Advertisers.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Sheep and Shredded Cattle
Manure.

German Kali Works, 93 Nassau St., New
York, N. Y.
Potash.
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Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.
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Wm. Elliott & Sons, 42 Vesey St., N. Y.

FIG ORCHARDS

E. C. Robertson, 501 Kiam Bldg., Hous-
ton, Tex.
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FLORAL PHOTOGRAPHS

Floral Photographs, Foley's, 226-228 1-2
Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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M. Rice & Co., 1220 Race St., Philadelphia.

FLOWER POTS

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Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St.,
New York.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
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GLADIOLI

John Lewis Childs, Floral Park, N. Y.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d & Lumber Sts.,
Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda,
New York.
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Hitchings & Co., 1170 Broadway, New York.
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J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St.,
New York.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HELP FURNISHED

Thos. H. Bambrick, 34 So. 7th St., Phila.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago.
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HOME CORRESPONDENCE

Home Correspondence School, Dept. H.,
Springfield, Mass.
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In writing to Advertisers kindly mention Horticulture

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.
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Plerson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

Nicotie kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St., New York.
Kilmead Tobacco Dust.
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Rowker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.
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Phila. Insecticide Co., 6117 Main St., Germantown, Pa.
Pullman's Insect and Worm Destroyer: Nicotine.
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Eastern Chemical Co., Pittsburg St., Boston.
"IMI" Soap Spray.
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Hammond's Paint & Slug Shot Works, Fishkill, N. Y.
Grape Dust.
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Wm. Elliott & Sons, 42 Vesey St., N. Y.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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IRIS

T. C. Thurlow & Co., W. Newbury, Mass.
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Ellwanger & Barry, Rochester, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAE

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.
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NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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Robbink & Atkins, Rutherford, N. J.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
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ONION SETS

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Fresh Imported and Established Orchids.
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Rose Hill Nurseries, New Rochelle, N. Y.
White Orchids.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-ten, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

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Giant Prize Pansy Seed.

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The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.
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Orchid Peat and Moss always on hand.
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Ellwanger & Barry, Rochester, N. Y.

Peonies—The best French collections. List of new varieties now ready. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebr.

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

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Primroses Obconica and Chinensis.
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The Rose, by H. B. Ellwanger; mailed
 for \$1.30 by Horticulture, 11 Hamilton
 Place, Boston.

Bassett & Washburn, 76 Wabash Ave.,
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Hand Book of Cultural Notes on Roses
 Under Glass, by F. P. Brigham, mailed to
 your address for 25c., by Horticulture Pub-
 lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
 Cauliflower and Cabbage Seed.
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SMILAX

Smilax, strong, 2 1/4-in., \$1.50 per 100;
 \$10.00 per 1000. Cash please. Wm.
 Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
 orchid baskets always on hand. Lager &
 Harrell, Summit, N. J.

SPRAYERS

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Wirework. Write for our catalogue.
 Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
 Broadway, Detroit, Mich.

Wirework—Compare our prices with
 others. Scranton Florist Supply Co., 201
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The Above are All SEASONABLE OFFERS

If you should read them through
PERHAPS

You would find something there that
you want.

WHAT DO YOU THINK?

Obituary

Augustus Dietrich.

Augustus Dietrich, a florist at 3425 Kensington avenue, Philadelphia, was killed in a trolley accident on the 15th inst. The following account of the accident is from the Philadelphia Record:—

Mr. Dietrich, who was connected with many German societies, was well-known in Kensington, where he had been in the florist and nursery business for the past 35 years. His greenhouses occupy nearly a block, and it was in front of these that he was run down by a fast-speeding car. With his sister, Mabel, Frederick Dietrich, a son, was a shocked witness of the horrible accident, and on running out to render assistance was made speechless by the discovery that the body was that of his own father.

Mr. Dietrich had been suffering for several months with an affection of the knee, and was in the habit of receiving nightly treatments at the home of his physician, Dr. Conrad Smith, almost directly across the street from his home. After sitting all the evening with his family, he walked over to the doctor's house for his customary treatment. On returning he started across the street about 11 o'clock. His residence is at the corner of Schiller street, which is the lowest point of a steep incline. Stepping off the curb he allowed a south-bound car to speed past him, but in the noise made by this he failed to hear the approach of a car at full speed from the opposite direction. He walked directly into the front of the car and was struck and dragged underneath with great force. His body was mangled almost beyond recognition. A large crowd gathered and lifted the heavy car from the corpse. When this had been done, young Dietrich, who had helped, was heard to give a slight cry of horror, and fell over in a faint. Dr. Smith was then summoned and saw at a glance that his friend had been instantly killed.

Aldrich J. Pennock.

Aldrich J. Pennock of Lansdowne, Del. Co., Pa., died after a brief illness at Denver, Col., on the 16th inst. Deceased was on a vacation accompanied by his wife when stricken. Cerebro-meningitis was the direct cause of death, and this was supposed to have developed from a second attack of inflammatory rheumatism from which he suffered severely two years ago. Interment took place at the South Western Burying Ground, Lansdowne, Pa., on the 20th inst. Mr. Pennock was a son of Abram L. Pennock of Lansdowne, and an elder brother of Samuel S. Pennock, of the Pennock-Meehan Co., and J. Liddon Pennock of Pennock Bros., Philadelphia. He was born August 20th, 1868, and entered the greenhouse business with his father at Lansdowne, in 1887, under the title of A. L. Pennock & Son. Some years later Abram L. Pennock retired and the firm became Aldrich J. Pennock. The establishment made a great specialty of lily of the valley forcing, at which it was very successful.

Although of a rather retiring and

diffident disposition, Aldrich J. Pennock had hosts of warm friends who held him in the highest esteem and affection. It has been remarked of him that neither his father nor mother nor anyone else ever heard a harsh word from him under any circumstance! If a mild mannered man ever lived, that man was Aldrich J. Pennock.

W. H. Gullett.

William Henry Gullett of Lincoln, Ill., died suddenly at his home just after his seventy-seventh birthday. Mr. Gullett started in the nursery business in 1860. In 1884 W. F. Gullett formed a partnership with him as W. H. Gullett & Son. In 1889 he retired and C. E. and W. J. Gullett associated themselves with him, and the present firm name of W. H. Gullett & Sons was adopted. A widow and seven children survive him.

John Snyder.

John Snyder, a native of Germany, but a resident of Kansas City for thirty-five years, died on August 5 from injuries received by being thrown from his wagon. For over twenty years Mr. Snyder carried on a flower store on Walnut street, giving up the business five years ago. He was 58 years old. A widow and three children survive him.

Mrs. Thomas Kane.

Mrs. Thomas Kane, whose husband is gardener on the estate of Mrs. C. P. Huntington, Homestead, N. Y., lost her life on August 7 in attempting to rescue her little daughter who was carried beyond her depth while bathing at Throg's Neck. Mrs. Kane was 42 years old.

CLUB AND SOCIETY NOTES.

The Vermont Horticultural Society will hold their annual meeting in Newport the first week in November.

New Orleans is planning for a flower carnival in October, which shall include a street parade of decorated vehicles.

The Georgia State Horticultural Society had an enjoyable meeting at Athens which closed on August 6, after re-electing the board of officers and selecting Sparta as the next meeting place.

Asters and gladioli were the leaders in the exhibit of the Worcester County Horticultural Society at Worcester, Mass., on August 12, and a nice showing of leading varieties was made. Among fruits the apple display proved most interesting, H. A. Anderson, John Pollan, Geo. C. Rice and Geo. E. Stone showing some fine specimens.

The Tarrytown (N. Y.) Horticultural Society held their summer outing at Edwards Hotel, Rye Beach, on Aug. 11, with about 150 in attendance. The usual exciting games, races, etc., were indulged in and furnished much amusement. The 100-yard dash was won by G. McCahon; the drummers' race of 100 yards by Wm. Scott, Jr., first, Davis McFarlane, second; running broad jump, A. M. Robertson; potato race, M. McGonachie. The pot smashing contest furnished the fun of the day. The committee in charge was James W. Smith, William Scott and John Brunger.

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ROSES AND THEIR CULTURE FOR COMMERCIAL PURPOSES.

Paper Read Before the Morris Co. Gardeners' and Florists' Society, April 14, 1909, by Wm. G. Baddeley.

Varieties to Grow.

Of course this depends a great deal upon what the grower requires, or what he has demand for in the New York market, as that is the place where most of the roses grown in this vicinity are disposed of. There is no doubt that the standard varieties, for commercial purposes are best, all things considered, and to meet conditions in the New York market, it is well to grow about one-quarter white and three-quarters pink. If you can grow a good red profitably, grow as many as you reasonably can. Before going further, I would like to impress on you that it is not, as a rule, the plants that produce show flowers that are the best money makers, but the money makers, if handled properly, can be made to produce show flowers.

Beauties, of course, are standard in their class and no doubt will be for some time to come. It does not pay the small grower, however, to grow them, as they have been taken up as a specialty by nearly all the large growers. When Beauties are grown in large quantities they can be handled to better advantage and produced more cheaply. The wholesaler prefers to receive the bulk of them from one source. Therefore the small grower will not realize a high price when his supply is irregular and uncertain. There have been numerous new varieties put on the market in the last few years, namely: Rhea Ried, Mrs. Potter Palmer, Mrs. Jardine, Wyndmoor, My Maryland, Queen Beatrice, Pink and White Killarney and others, and I am sorry to say that excepting My Maryland and Pink and White Killarney, most of them are no real improvement on what we already have, excepting, of course, that they have their value as novelties. Under favorable conditions many of them have given good results. Most of them are well bred. Pink and White Killarney are worth spending a little time on, as they have each proven to be a favorite as a commercial flower as well as a top notcher as a show flower. Killarney is justly entitled to all the praise it has received. I consider it the best money maker that has ever been grown. We will consider Pink and White Killarney together, as White Killarney bears the same relation to Pink Killarney that Bridesmaid does to Mermet, and therefore being of the blood and habit each will do equally well under conditions that are identical.

Propagating Killarney.

Starting from the cutting, would say that when taking wood from Killarney plants for cuttings, considerable care must be exercised as to what kind to take, as it is characteristic of this plant to drop its foliage before it attains much age, and as they will drop them as quickly, or more so, in the sand than they will on the plant, you should strive to make your cuttings of wood which is not too old nor yet young enough to be of soft texture. But should your Killarney cuttings

WANTS, FOR SALE, ETC.

Advertisements in this column are sent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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An experienced man to take charge of an established route for the sale of Nursery Stock. A good salary for the right party. Send full particulars at once.

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WANTED—A good grower of roses, carnations, chrysanthemums and potted plants in a commercial establishment. Good position to the right man. J. M. Ward & Co., Peabody, Mass.

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SITUATION WANTED by first-class greenhouse man; 13 years' experience in growing chrysanthemums and all kinds of cut flowers and plants. Good propagator. Reliable and sober. Please state wages, first letter. Address Martin Darsch, care Mitchell, 1298 Nostrand Ave., Brooklyn, N. Y.

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FOR SALE—Special 16 x 18 and 18 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **PARSHELSKY BROTHERS, INC.**, 60 Montrose Ave., Brooklyn, N. Y.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. **N. F. McCarthy & Co.**, 84 Hawley St., Boston, Mass.

lose their foliage in the sand and apparently look like a failure, just let them alone and properly attend to your watering and temperature and if necessary let them stay right there two months or more and you will find that your efforts have not been in vain after all. This rule, of course, applies to cases where nothing detrimental or unusual has happened and the cuttings have simply lost their leaves and rested.

Rules for Pinching.

Planting, watering, airing, etc., with Killarney is carried out in the same manner as other roses during summer and fall. Cutting the buds should not be practiced, but rather keep them all pinched, and when you pinch them, pinch them back to the first leaf containing five separate leaflets, as from such an eye you will get a growth that will run up and make a strong stem. You should continue this pinching until Oct. 20, when it will be wise

to take about one-half the buds and on Nov. the 1st take off the other half; then stop pinching. This will bring in your crop for the holidays. To explain this matter more fully, will say that August, September and October in the last few years have proven to be very poor months for cut roses in the New York market, as asters, dahlias, etc., have full swing at that time. It pays better to get roses in in May, June and July, and as Killarney is a rapid grower, the pinching process has a tendency to run it up and develop into a plant which is plenty large enough by Oct. 20, if planted on July 15, providing, of course, that the stock is in good condition when planted. You will obtain better results than if you put them in earlier, in this way. It certainly pays much better, for by following the foregoing rules you will not only bring your crop in for Christmas but you will strike Easter, too, unless weather conditions are radically wrong. I would say further that buds that come from a second or third growth of Killarney are far better in every way than those taken from a first or single growth.

Feeding Killarney.

Killarney is a fine grower and is always busy, therefore it requires lots of food, but should not be fed with a rank chemical. The way it should be fed is in small quantities and often. The kind of food to give is a fertilizer that runs high in nitrogen or ammonia, in small quantities, just after they have started a new growth, say, when this growth is from three to six inches long. This kind of food will have a tendency to make your stems run up longer. Then just before the buds start to develop, apply in small quantities potash in the form of Canadian unleached hardwood ashes. This kind of food will make your buds heavy and give them color. I would not advise strongly as to what fertilizers to use in every case or in what quantities, as this matter depends altogether on the condition of your plants, the soil they are planted in, and who is growing them, but I would advise that you do not use too much rank fertilizer at any time, as it is apt to cause a bad case of indigestion, and I also would advise strongly against applying more than can be used up promptly by your plants, be it in the form of cow manure or otherwise, as too much bulk on your benches will prevent them from drying out readily, and you know that the faster your soil dries out and the more frequently you can water, the oftener you can feed, and the faster your plants grow the more profitable they are.

My Maryland.

My Maryland has many good features. Its color and fragrance are pleasing. The size and shape of the bud is all that could be wished for and stem and foliage are good, still there seems to be some uncertainty as to its commercial value as yet. The features of this rose which do not please as I observe it are, that there is a little too much hybrid blood in it, that it seems to have a little inclination to be sleepy in the winter months, and it does not crop as well as it might, but I think when growers become more familiar with

its requirements, more good qualities will be brought out, and it may take a permanent place in the front rank.

Richmond.

For red, Richmond seems to be about the best thing in sight, and certainly it is fine when brought to perfection. This rose seems to have its favorite localities; districts of Boston, Philadelphia and Chicago turn out Richmonds that make one marvel, and it is painful and disappointing that in this vicinity we cannot duplicate them. Richmond, as you know, is of practically no value in hot weather, as it will not keep. In the short days when it is selling for good money, it is sluggish and slow, and one cannot cut much from them when he wants to. Then comes spring with its good growing weather and they come along nicely, but by this time the Brunners and other red stuff are in the market and they do not give much in the way of returns. Therefore, in this locality it does not pay as well as other varieties. What we hope to see in the near future is a red rose with the stem and foliage of Richmond, head of Bride or Bridesmaid and freedom of growth of Killarney. This is worth trying for and I hope some of our specialists will strive to attain it.

In growing roses you should always strive for the following three essential qualities; you should produce a rose to please the consumer; one that the wholesaler as well as the retailer can sell at a fair price and one that will produce enough flowers to make it profitable to the grower.

NEWS NOTES.

Adell, Wis.—A. E. Frost is arranging to carry on the nursery business here.

Litchfield, Conn.—The Rosemere Nursery is installing a new heating system.

Springfield, Mass.—Mark Aitken, the florist, has bought the E. N. Powers' place at Agawam and in the spring will erect a large greenhouse thereon.

Fruit that Pays a Profit

is the only kind worth growing. To bring young stock into earliest bearing and to secure maximum yields from matured stock use **POTASH**, according to the needs of different fruits.

Quantity is increased and quality is improved by its application; that is why.

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Proof can be shown by hundreds of poor orchards turned into good ones by the application of Potash. Your commercial fertilizer should contain at least 10 to 12 per cent. of Potash

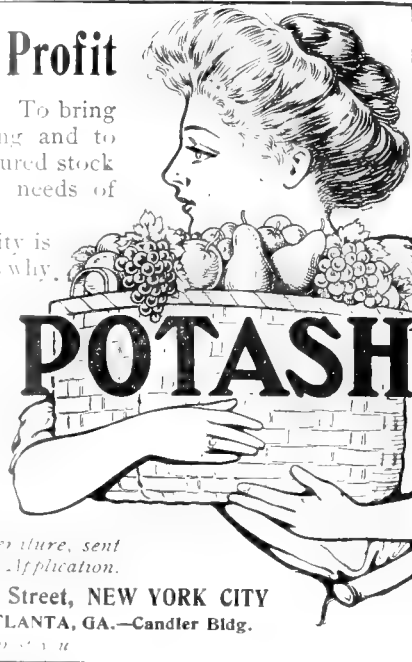
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THE BAG-WORM PEST.

A not uncommon pest, and one which is often quite destructive, was received at the Division of Zoology of the Pennsylvania Department of Agriculture, attached to a twig of the black locust.

State Zoologist Surface, in acknowledging the receipt of the specimen, said:

"The locust branch which you sent to us has been received, with the attached insects. This is entered in our collection as No. 13,559. The pest is the Bag-Worm, which is a chewing insect, and feeds on the leaves of various kinds of trees, especially apple, plum, quince, cherry, and the conifera. It can be killed by picking by hand, and destroyed by burning; or, it can be killed by spraying with arsenical liquids, using one-third pound of Paris green, or two pounds of arsenate lead, to fifty gallons of water. Its chief destruction is in feeding on the foliage of trees on which it is found, making them brown and full of holes.

"You have noticed the little pieces of wood on the outside of the cocoon. This, of course, is the bag, and by cutting it open you will find the worm inside. There is a similar species found in India, where it is believed the worms represent the departed souls of persons who stole kindling wood in this world and are doomed to carry it with them through the next."

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PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
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Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

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1 lb.....20c	25 lbs.....\$1.50
5 lbs.....35c	50 lbs.....2.75
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NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphid, Green Fly and other greenhouse pests.

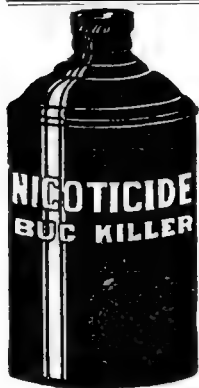
This solution is put up in

1/2 pt. cans...at 25c	1 pt. cans...at \$ 1.40
1/4 pt. cans...at 50c	1 qt. cans...at 2.75
1/2 pt. cans...at 90c	1/2 gal. cans at 5.00
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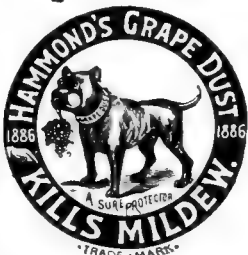
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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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929,657. Modulating Valve for Steam Heating Systems. Edward W. Comfort and James L. Fitts, Pensauken township, Camden County, N. J., assignors to Warren Webster & Company, a Corporation of New Jersey.
929,814 and 930,329. Lawn Mower. James H. Auble, Cincinnati, Ohio, assignor of two-thirds to Jacob H. Bromwell, Wyoming, Ohio, and James J. McDonald, Cincinnati, Ohio.
930,034. Pipe Connection and Support. Eugen Boernel, Berlin, Germany.
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CONTEMPLATED.**

- Tacoma, Wash.—J. Burrows, house, 20x60.
Adams, Mass.—A. J. Boothman, one house.
Westport, Conn.—Wm. Burr, one house.
Tacoma, Wash.—J. Benthlen, house, 50x60.
Oconto, Wis.—J. Sylvester, improvements.
Holland, Pa.—G. Swearer, house, 50x300.
Bangor, Mich.—A. E. Davis, two houses.
Mansfield, Pa.—Mrs. Robt. Crossley, additions.
Darby, Pa.—Edmonson & Fenton, two houses.
New Canaan, Ct.—Stephen B. Hoyt, range of houses.
Painesville, O.—Storrs & Harrison Co., storage cellar, 112x240.
Huntington, N. Y.—L. D. Hurd, two houses, one 28x96, one 16x96.
Newport, R. I.—Carl Jurgens, additions and improvements.
Marshfield, Wis.—Robt. T. Macklin, four houses with walls and benches of concrete.
Grand Island, Neb.—Ellsworth Greenhouses, four houses, two 16x100 each, one 22x140, one 80x125.
Buffalo, N. Y.—E. O. Barrman of High street is adding a greenhouse, 20x90, to the one built a year previous.

NEWS NOTES.

- Detroit, Mich.—The Simonds Heating & Specialty Co. have moved across Washington avenue to No. 104.
Buffalo, N. Y.—Jno. Spiess & Son, Peach street florists, are erecting a store and dwelling in addition to their greenhouses.
Pittsburg, Pa.—A disastrous hail and wind storm swept over this section Aug. 5, wrecking the glass of A. R. Peacock, H. J. Heinz, H. C. Finch. Randolph & McClements lost about 15,000 feet of glass.

The Advance Co., Richmond, Ind., writes that they have received an inquiry from Berlin, Germany, for opportunity to handle their goods. Orders are now piling in on them.

A sentiment in favor of an annual Arbor Day is growing in Great Britain. The first half of October has been suggested as a suitable time and roadside fruit tree planting after the manner of some districts in Germany has been recommended by some writers as a good way to make a beginning which will at once enlist the interest of the public.

Typewriters

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Price per crate		Price per crate	
1500 s in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
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800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 12 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	12 14 " " "	4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

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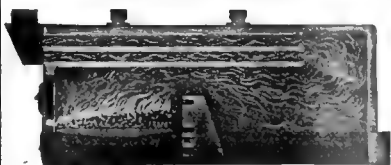
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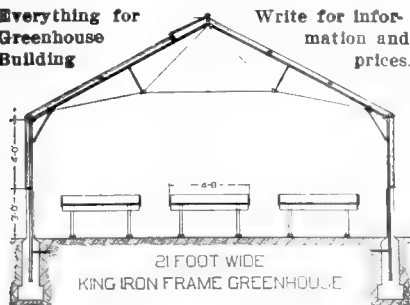
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PIPE Good serviceable second-hand with each length, no junk—1 in., 3c; 1 1/4 in., 4 1/2c; 1 1/2 in., 5c; 2 in., 8 1/2c; 2 1/2 in., 10 1/2c; 3 in., at 14c, and 4 in. at 19c. New 2 in. standard black, 8 1/2c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 7c. per foot.

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Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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No Poor Jobs

Be it large or small, every greenhouse we build combines such valuable structural details as can be derived only from long years of experience in greenhouse building.

Nothing is slighted — every part, even to the last stroke of the paint brush is **the best**, and of course, you are the kind of man who insists on having this best.

Let us send you a circular showing both large and small houses — you have probably seen some of these very houses, and wondered who built them.

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The Longer Your Vines the More Your Fruit — and Curvilinear Houses have the Longest Roof, and the Best Curvilinear House is Our Sectional Iron Frame Construction.

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1 MADISON AVE., NEW YORK
DESIGNERS AND BUILDERS OF

U-BAR GREENHOUSES

HORTICULTURE

Vol. X AUGUST 28, 1909 No. 9



HOUSE OF CALCEOLARIAS
By W. H. Waite, Greystone, Yonkers, N. Y.

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER**
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Notes from the Arnold Arboretum

Among the new Chinese Honeysuckles there is one which belongs to the most beautiful of all climbing Honeysuckles. This is *Lonicera tragophylla*, a species allied to *L. Caprifolium*, but with much larger bright yellow flowers in many-flowered clusters. It is a vigorous growing vine with oblong bright green and lustrous leaves from three to four inches in length. The flowers are the largest of any Honeysuckle in cultivation but one which is mentioned below and measure two and a half to three inches in length; they appear at the end of the branchlets in ten to twelve-flowered clusters subtended by a pair of connate leaves forming a roundish disk and are bright yellow. About its hardiness in this latitude we cannot yet speak definitely, as our plants have not yet been tried out of doors, but in England it has proved perfectly hardy and has flowered profusely. The species which has the largest flowers of all is *L. Hildebrandiana* from Burma, with orange red flowers from four to seven inches in length; unfortunately it is not hardy here, though it is doing well in California. Of the other recently introduced Chinese species none seems to surpass in beauty the best of the species already in cultivation. The climbing *Lonicera subaequalis* resembles the western *L. ciliosa*, while *Lonicera Henryi* is allied to *L. japonica*, but has narrower leaves and smaller red flowers not much more than half an inch long. *Lonicera lanceolata* is an upright shrub allied to *L. orientalis* with oblong-lanceolate leaves from two to three inches long and small lilac flowers followed by black fruits. *Lonicera Maackii podocarpa* is not quite as beautiful as the type which is one of the finest Bush Honeysuckles, but still too little known. *Lonicera mucronata* is a low shrub allied to *L. fragrantissima* with small white fragrant flowers appearing before the leaves which are very small and half evergreen. *Lonicera trichosanthes* is a low shrub with slender spreading and sometimes almost prostrate branches, light bluish green leaves from one to two inches long and small yellowish flowers followed by red berries. *Lonicera pileata* and *L. gynochlamydea* have insignificant whitish flowers followed by rather small red berries; the foliage of the first species is nearly evergreen and small, while the second has large lanceolate leaves from two to four inches long; both are probably tender. Three other species, viz., *L. deflexicalyx*, *L. leycesterioides* and *L. Altmannii* have already been mentioned and briefly described in the issue of June 26, and as another species new to cultivation and allied to the last named may added here *L. Olga* from Turkestan with small bluish green ovate leaves and small white flowers.

As one of the handsomest and most graceful in its fruiting state of the Hollies with deciduous leaves must be considered *Ilex geniculata* from Japan which is new to cultivation and fruited last year for the first time profusely at the Arboretum. It is a slender-branched shrub with ovate-oblong leaves about two inches long and pea-sized crimson fruits borne in twos or threes or solitary on thread-like pendulous stalks about one inch long; they ripen in August and last until the end of October when the leaves turn yellow. Like other Hollies the species is dioecious and it is therefore necessary to plant staminate together with pistillate plants to insure profuse fruiting.

Alfred Rehder.

Sabbatia chloroides



In August this charming bright pink sabbatia is noticeable in the flower shops of Philadelphia. It is indigenous to the light soils of the New Jersey pine barrens, principally on the margins of ponds or streams. A few thousands planted in your home grounds in a similar situation, and in light, sweet soil, will give a good account of themselves. The flower reminds one of a miniature pink cosmos, and is delicately fragrant. One of the important features that should be carefully noted on this subject as a cut flower is that every one of the unopened buds shown in the illustration opens out nicely in water. Excellent as a cut flower. Habitat: Atlantic States, Massachusetts to Florida. Can be procured from Dreer, or any of the hardy plant dealers advertising in HORTICULTURE.

G. C. Watson

The Propagation of the Phlox

NOTES FROM THE YORK, NEBRASKA, EXPERIMENT STATION

For some years we have been engaged in originating new and hardy varieties. First, we want flowers of superior beauty. Second, we should have a fine head, large and symmetrical. Many phloxes lack this. Third, we must have a plant that will endure continuous wet weather without rusting and blighting. At least one-half of the imported ones are worthless in this respect. Fourth, we want those that can endure the terrible heat of our western plains. Etna, Coquelicot and LeMahdi

cannot endure our hot and dry conditions. Fifth, we want a robust plant that will be a rapid multiplier. When we get a flower like *Fraulein Von Lossburg* it is not very satisfactory to have it grow two years and show but one stem, while *Zouave*, for instance, would give half a dozen or more.

PREPOTENCY IN PLANTS

This trait is prominent with some breeds of animals. The black Galway takes all the horns off his progeny and makes each one a present of a black overcoat.

Some phloxes which yield plenty of seed have the power to impress themselves on their offspring. Most prominent is *Crepuscle*, a flower with immense florets, often larger than a silver dollar, and with such an immense symmetrical head that one in a vase is enough and the petals match so well that the crown seems one complete flower. This is peculiar in the variability of its colors. I saw some growing in cool Colorado and they were dark lavender and not especially attractive. In hot Nebraska mine were snowy white with crimson center, the most imposing of the whole family. But I notice when the weather grows cold and nights are frosty the blossoms are lavender as in Colorado. I never saw a flower which so impressed itself on its neighbors. Even feeble *Coquelicot* responded giving a stronger plant with a larger flower. Crossed with *Richard Wallace* I have my *Arete* which fills all the points of excellence. It is not as tall as *Richard Wallace* for the mother is dwarfish. It has a finer head and larger florets and it is very robust and a rapid multiplier. I often get five divisions from one plant in a year. So if it is equal in beauty to *F. Von Lossburg* it is worth five times as much.

Unfortunately *Crepuscle* is a slow multiplier. This troubled me. Few florists have them and they are high but applying my system of propagation from roots I have now five hundred at least. The process is simple. Here is a strong plant with a large tuft of roots. You do not need so many in planting. Too many roots are in each other's way. For a vigorous plant for next season it is just as well to have short roots. Set a sharp spade in the ground beside the plant. Put it about half way down, then turn it and cut off all the roots. There will be a mass of plucky little fellows left. Will they give up and die? Not much! Rather late in the spring they will come up in a mass as if looking for their mother. Not finding her they go on just the same. There will be about a dozen in one clump. I have had twenty spring up from one tuft of roots. Let them grow one year then plant them out and you find you are doing far better than by the usual method of cuttings. Some times I cut off the roots, put them in earth in the cellar and plant in the spring. If you put one tiny root in a pot you will beat cuttings all out.

Well, a dozen *Crepuscles* planted in a group of fine varieties will make such an impression on them that when you plant the seed in the fall you will find next year you are raising miracles. I have scores of these

seedlings on the way and when you compare them with the imported ones the foreigners look ashamed. Of course not all the seedlings will be worthy of a name, but they go into the mixed lots and many with a better chance and not so badly crowded will ultimate in choice flowers. We are finding some beautifully variegated ones. Some large white with a slight tinting of pink. One dark red with veinings like an iris. In fact we seem to be in wonderland, surprises springing up all around us, and the process is so simple that a child can use it. What a field for women who love flowers, who can call out from the unknown, forms of radiant beauty. We are naming our new creations from the heathen goddesses.

Aleyone, at its best, has petals larger than a dollar; color of the purest white with a ring of crimson and often five dots like stars in place of the ring in center. It is very early and its blooming time is soon over. It is not a rapid multiplier and we cannot increase it as fast as we would like to do. We are increasing *Arete* so rapidly we shall put some on the market soon. *Crepuscle* is dwarfish and rather late and continues to bloom until frost comes. The petals do not shake off as badly as some others. When possible we want to perpetuate these perpetual blooming qualities. The old favorite *Eclairer* has a beautiful red blossom with very large petals. We have known it to resist the blight and bloom radiantly when other kinds were forlorn and ragged with the rust.

By taking the most vigorous and grouping them you are sure of a good combination. We do not try hand polenization. The bees attend to that, giving most satisfactory results. Always sow the seed in the fall, cover lightly. They love the slush and snow of spring and do not mind the frosts. They are among the hardiest of our plants.

York, Nebraska.

C. S. Hammon

Hybrid Calceolarias

(See Cover Illustration.)

Calceolarias are amongst the most interesting and useful plants for greenhouse and conservatory decoration during the late months of spring and early summer, and a whole house devoted to them when in full bloom, as shown in the accompanying photograph, is quite a feature where the glass department is kept for show as well as utility.

Their culture is comparatively easy when their requirements are thoroughly understood. The man in charge of them must be interested in his plants, and he must keep an ever watchful eye on them; a slipshod method of culture will soon result in failure. To obtain large specimens we sow our seed early in July. The seed should be sown in pans filled with light, sandy soil which should be thoroughly soaked before sowing.

Calceolaria Clibrani

During the past two years this new calceolaria has been grown at the Cornell experimental station, and has been found an ideal plant for greenhouse decoration during the late spring and early summer months. A subject of greater decorative value of this genus *Calceolaria* would be difficult to find. The plant is very floriferous, bearing an abundance of beautiful lemon yellow flowers, in graceful cymose inflorescences which droop and almost completely hide the foliage from view. One plant eight months old grown from seed, and finally repotted into a 6-inch pot bore upwards of 800 flowers.

Generally speaking this plant is not so difficult of culture as the herbaceous type, and can be raised either by seeds or cuttings, the latter method of propagation being preferable if large plants are required. The cuttings should be taken in September or October, and will furnish nice specimens by April or May. Seeds sown about the same time will produce flowering plants during May and June.

The plants vary greatly in height when grown from seed, some attaining a height of 4 feet, while others are not more than 18 inches. Great variation also exists among the seedlings, many of the plants producing distinctly mottled leaves. However, by careful selection a very desirable type has evidently been secured, and may be regarded as fixed.

As a decorative plant *C. Clibrani* is well known in Britain, although it is only about two years since its introduction, and from our experience with the plant it is not too much to say that it will find favor wherever grown. It is a charming subject for massing with other plants, and even when arranged in individual batches it is very artistic.

The greatest virtue of the variety probably lies in the



fact that it will stand more heat than the herbaceous type, and this alone ought to make it popular. In view of the above fact we are using the plant extensively for crossing purposes, with the object of producing varieties better adapted to the climate, as some of the types now grown are not altogether satisfactory, which state of affairs is due to the excessive heat of the late spring and early summer months.

Quite recently a correspondent of "Horticulture," Mr. Stewart, remarked to the effect that a more desirable type than the old herbaceous one was needed, a statement with which I entirely agree.

H. J. Moore

The pans should be plunged in sand or ashes in as cool and shady a position as possible; a pit or frame facing the north, if available, is the best. The seed, which is very fine, need not be covered with soil, but a sheet of glass placed over the pan will make the condition suitable for germination.

After germination, the glass should be removed and when the little seedlings are large enough to be handled with a sharp pointed stick they should be transplanted into shallow flats or pans filled with the same sort of soil as used for the seeds. As soon as the plants are large enough they should be potted singly into three inch pots, using for this potting a light fibrous loam with a small amount of dried cow manure and leaf soil. As soon as the roots reach the sides of the pots they must be again repotted and so on until they are into their flowering pots, which for the largest specimens will be nine inches. The soil for the final potting should be one-half good loam, one-fourth dried cow

manure and one-fourth leaf soil, with enough sand to keep the compost open. In potting care should be taken not to firm the soil too much. Up to the time that they begin to show signs of flowering they should be kept in as cool and light a place as possible, a temperature of 35 to 40 suiting them well. Ample room should be given them so as to allow a free circulation of air and the proper development of the leaves. All dead or decaying leaves should be removed and a constant watch should be kept for green fly which is about the only pest that troubles them.

They require at all times an abundance of water but careful attention must be paid to the watering. They must never be allowed to become dry, neither should they be allowed to become waterlogged. When the flowering shoots begin to appear an application every two weeks of weak liquid manure will prove beneficial, and as they require it the flower stems should be supported with neat stakes.

W. H. White

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impress, satisfactory or otherwise, on the men and the movements in horticulture of the present day. It is unavoidable that views should differ widely as to the wisdom or value of what was accomplished at Cincinnati, according as individual preferences and judgment found endorsement or repudiation in the decisions reached and the manner in which they were reached. But those whose efforts were doomed to defeat, as well as those who returned home with ambitions gratified and the thrill of approval, will now best serve the Society, which is far greater than any man or possible clique of men, by accepting the verdict in which they were interested and leaving to time, the great evenner-up, the adjustment of all that for the moment appears irreconcilable with what they may have favored as just and wise.

A duty neglected

Everyone having the Society's welfare at heart will no doubt agree that it is most lamentable when, as in the meetings just closed, questions of vital importance to the organization and to the profession, are settled by the vote of from three to five per cent of the members in attendance at the convention—less than a quorum, in fact. Whether decisions thus arrived at fairly represent the views and judgment of the members nobody knows, yet it is also true that those who absented themselves, knowing that important questions were awaiting settlement and liable to be brought up at any time, have forfeited their right to find fault if policies distasteful to them have found approval. The problem of how to insure a creditable audience for a lecturer or a representative number for debate and defining of the Society's position on important questions is as old as the Society itself, and outranked by none which the Executive Board are called upon annually to consider when formulating plans and program. The convention of 1909 certainly reached the limit of transgression in this regard.

The "backbone" of the convention

From the beginning the relative importance of the Trade Exhibition as a feature of the annual Convention has been growing apace. Once of secondary account, it has now come to be the backbone of the event, and it is a debatable question whether or not the exhibition, even in its present dimensions, would not draw together a full attendance of the trade, even if all lectures, papers and discussions were eliminated from the program. The plans looking to the adding of a public horticultural exhibition as an adjunct of all future conventions seem timely and eminently wise. The great horticultural exhibition at Music Hall, Boston, on the occasion of the visit of the S. A. F. to that city in 1890 is frequently referred to as one of the most attractive and instructive features ever provided at a convention. The time seems now to have come when such an adjunct is possible at every convention. The bright intellects in the trade are coming to realize the tremendous influence that may be exerted with the public through such a means and how much we have been losing through failing to provide such an attraction to enthuse and enlighten the people of the convention city as to the purposes of our National Society. We hope that the powers that be will make provisions for such an accessory next year.

Now
 all together
 Events have moved rapidly and with far-reaching influence since our last chat with our readers. The second Cincinnati convention of the S. A. F. so long looked forward to as an occasion of great interest and moment, has already been written into history and has left its

MEETING OF THE AMERICAN ROSE SOCIETY IN CINCINNATI.

At the Convention of the Society of American Florists there was a meeting of the American Rose Society on Thursday afternoon, August 19, in Music Hall.

President Poehlmann called the meeting to order at 3.45 and laid before the meeting several matters of importance. This was the first meeting of the Executive Committee since the spring exhibition held in Buffalo. Treasurer May advised that the rate of interest had been cut down upon the invested fund from 4 to 3 per cent and in accordance with the by-laws of the Society, Article three, section five, and Article five, section three, requested advisement as to what he should do with the fund which amounted to \$300 and the special Hubbard fund, \$250. The matter was discussed from various sides and a letter from Spencer Trask & Co., of New York City, recommending three bonds as investment was read, but it was moved and seconded that the treasurer be directed to invest the permanent fund in his hands in New York Savings Banks drawing 4 per cent interest, and that the same be deposited in the name of the American Rose Society, and in the case of withdrawal the order should be signed by the treasurer and countersigned by both the president and secretary of the Society. The recommendation of the Committee of Judges at the last exhibition in regard to staging was adopted, the same to be added to the permanent rules. A letter was read from Peter Bisset of Washington, in regard to two growths on cut roses for exhibition. This matter was discussed and it was resolved that the sentence, "All cut roses (excepting Killarney) in the competitive classes must be from a single growth of the current season."

F. R. Pierson stated that for the coming exhibition to be held in the American Museum of Natural History at 77th street and Central Park West, there would be every accommodation for the finest exhibition, and that the exhibitors and all interested could rely upon a great crowd of visitors; that there would be no charge for admission and that the Horticultural Society would do all in its power to make everything interesting. The preliminary schedule as reported by the Schedule Committee, which had been appointed by President Poehlmann, was circulated.

The number of special prizes has been taken up and efforts will be made to swell them to a large extent. It was reported that the Society had no medals. A letter from the director of the United States Mint at Philadelphia was read and the statement made that only three silver medals and three bronze ones had been struck. Upon the matter of medals, the secretary reported a case where seventy-three school children had joined a society for making home gardens and that a colored washerwoman, while not a member of the "Home Garden Brigade" had taken care of her front yard so well that it was a marvel. On each side of the fence was a row of roses and also three or four bushes in the grass plot and as a matter of encouragement to amateur growers of roses

everywhere, the secretary asked that the Society would grant this Mrs. L. Lefevere a medal. Mr. Heacock of Wyncote, Pa., inquired particularly about the conditions and stated that he believed that the Rose Society could do no better work than to recognize such cases; that the Rose Society was a Society for amateurs and that we wanted to encourage that kind of work everywhere and moved that a silver medal be given to Mrs. Lefevere; this was unanimously seconded. Upon motion of Prof. Cowell it was ordered that three silver medals and six bronze medals be ordered from the Mint.

The matter of annual bulletin was taken up and the same will be published at the end of the year and 550 were directed to be printed if the secretary received support in the way of advertisements for the publication, to increase the number as conditions may warrant.

The sense of the Society is that every effort should be made to interest amateurs generally and to provide especially for out-of-door roses and as far as possible keep in touch with every member. Several of the members present subscribed for one page advertisement in the next edition of the Bulletin.

FRANK R. PIERSON,

President-elect, Society of American Florists and Ornamental Horticulturists.

We were pleased to be able to present as a cover illustration for our issue of last week, the portrait of this ceaselessly busy man who, having made a signal success of his own business and having given brilliant evidence of his cleverness in handling and solving problems of national importance for the benefit of the trade at large, has now been selected as the standard bearer of the great national society for the coming year. Mr. Pierson has before him the grandest opportunity to make his administration a record breaker for aggressive usefulness on broad lines, for the time is ripe for a big movement that will mark an era in American horticulture and it is his duty and privilege to assume the leadership.

Mr. Pierson had his training in a good school, the house of Peter Henderson & Co., and Peter Henderson, always observant and shrewd, was often heard to predict that the young man would make his mark in the profession. His start at Tarrytown, where his business is still located, was a modest one, some thirty years ago. But it grew rapidly, and in a few years the additional establishment at Scarborough, N. Y., was inaugurated and now ranks among the great show places of the country with over a quarter million square feet of ground covered with glass houses of the most modern type. The chrysanthemum, carnation and fern literature of the past ten years is punctuated with the name of Pierson, as every reader of these lines knows, and among the introductions which have been disseminated under his name we do not recall one which has not "made good." The S. A. F. has again shown excellent judgment in the man it has honored with the highest gift in its power.

A PEONY INQUIRY FROM NEW ZEALAND.

Our Philadelphia correspondent, G. C. Watson, is in receipt of the following letter from Ivar C. Asplund, Canley Park, Rahotee, Taranaki, New Zealand:

I have the honor to beg the favor of copies of the Annual Reports or Year Books of the American Peony Society for the years from 1902 to 1909 inclusive; and copies of the yearly proceedings of the Conventions of the Society of American Florists from 1902 to 1909 inclusive.

Kindly note me as to amount of postage, etc., etc.

May I also ask, if it is possible, that you will also favor me with catalogs of noted breeders of the Peony, for which I shall be extremely thankful.

The above submitted to Bertrand H. Farr of Reading, Pa., the president of the Peony Society, he replies as follows:

I beg to acknowledge the receipt of your favor of August 16th with enclosed letter from Ivar C. Asplund, Taranaki, New Zealand.

The publications of the American Peony Society to date are as follows: A Check List containing the names of every var. of Peonies so far as known, that is to be found in catalogues at the present time, giving the name of introducer and date, where possible, with references to all the literature bearing on each variety so far as known. This list contains about 2700 names at the present time and forms the basis upon which the Society has begun its work, in connection with the Test Plot at Cornell University, where nearly 1000 of these varieties are growing side by side for the purpose of comparison, having been donated by all the prominent growers of this country and Europe.

The second publication was the beginning of the official catalogue of the society, containing a history of the Peony by J. Elliot Coit, Ph. D., Professor of Horticulture at Agricultural Experiment Station, Tucson, Arizona, with articles on cultivation, diseases, etc., and its classification, with a descriptive list of about 100 varieties, following up the work done this season. Another bulletin will be gotten out this fall, giving detailed descriptions of about 275 additional varieties. In addition there was published last spring the official record of the doings of the Society from its beginning until the present time, a period of about 6 years.

All of these publications are free to each member of the Society, the membership to which is \$5.00 with annual dues of \$3 per year. The price of the Check List was originally fixed at \$5 to non-members. This price was reduced at the last meeting to \$2.50. The Peony bulletin, issued by Cornell University can be obtained free by any resident of the State of New York, or by any member of the Peony Society, as this bulletin was published by the New York State Experiment Station of the College of Agriculture. Non-residents of New York can obtain it by applying to Prof. John Craig of Cornell University, but am unable to say what the charge will be.

The following are the names and addresses of those who are at the present time growing seedling Peonies, so far as I know: T. C. Thurlow & Son, West Newbury, Mass.; George H. Hollis, South Weymouth, Mass.; E. J. Shaylor, Wellesley Farms, Mass.; J. F. Rosenfield, West Point, Neb.; C. S. Harrison, York, Neb.; and O. F. Brand & Son, Fairbault, Minn.

Would it not be advisable for all those interested in Peonies to join the American Peony Society, and help this work along, as I feel sure we are established on a sound basis and will accomplish results.

The above information being of interest to many of our readers besides our New Zealand friend, we take pleasure in publishing same, and would ask the gentlemen mentioned by Mr. Farr and also other peony growers who may have peony catalogues that are free, to send same to the addresses given. The secretary of the S. A. F. will no doubt inform the inquirer if there be any way of getting the reports of that society from 1902 to 1909.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Convention Report Completed

THURSDAY EVENING.

Our report of the proceedings as published last week carried us up to Thursday noon. Thursday afternoon was devoted to the bowling and shooting tournaments, accounts of which will be found in another column. The evening session of the Society opened with the official announcement of the result of the balloting. H. A. Bundy made a motion that the election of his competitor for the secretaryship, Mr. Dorner, be made unanimous and this was done.

President-elect Pierson being called upon was given an ovation. He said that he had always been optimistic about the future of the S. A. F. We had now come to a milestone and each should feel his own responsibility. It is our duty to justify the giving of a charter to us by Congress. He asked for the help of all in making the meeting at Rochester a great event and expressed the hope that many now present might be here again when the Society shall celebrate its golden jubilee at Cincinnati.

Secretary-elect Dorner expressed his thanks for the honor conferred and promised to do credit to the name he bears, hoping to keep up to the standard of the office in the past and to contribute in every way possible to further the interests of the organization.

Ex-President E. G. Hill was then called upon to act as secretary for the anniversary exercises planned for the evening. He called the roll of the past presidents as follows: John Thorpe—Gone. Mr. Hill spoke of him as a central figure in the birth of the Society and paid a kindly tribute to his genius and heart. Robert Craig.—A letter from Mr. Craig expressing regret at inability to be present was read. Hopeful reference was made to the coming National Flower Show at Boston. E. G. Hill.—Mr. Hill made an entertaining speech, told stories and hoped that the lives of his hearers might be a blessing to humanity. J. N. May.—A letter expressing kindly wishes was read from Mr. May. J. M. Jordan.—Gone. J. D. Carmody spoke of Mr. Jordan as a grand president of a grand Society, whose great ambition was to make everybody happy. M. H. Norton.—W. J. Stewart read a letter from Mr. Norton, prefacing it with some remarks as to that gentleman's high standing in the esteem and love of the Massachusetts members. James Dean.—Mr. Hill spoke of Mr. Dean, of his loyalty and faithful adherence to all the things for which this Society stands. W. R. Smith.—Present. J. T. Anthony.—Gone. J. C. Vaughan spoke of Mr. Anthony as a man who had

been greatly beloved of all his florist friends in Chicago. Edwin Lonsdale.—Jos. Heacock responded briefly for Mr. Lonsdale. William Scott.—Gone. J. F. Cowell spoke of his late fellow-townsmen as a man better known, probably, to the rank and file of the florists than any other man. He was a man of pronounced personality and great magnetism and as a writer had few equals. Adam Graham.—Present. W. F. Gude.—Present. W. N. Rudd.—Present. Edmund M. Wood.—Gone. W. J. Stewart responded for his friend, telling of the love in which he had been held, his great insight into the future of the rose-growing industry and the loyal work he had done for the Society. Patrick O'Mara.—A letter was presented from Mr. O'Mara, who had been obliged to leave earlier in the day. He referred eloquently to the wonderful advancement in our business, due primarily to the S. A. F. John Burton.—Present. Philip Breitmeyer.—Present. W. F. Kasting.—Present. W. J. Stewart.—Present. F. H. Traendly.—Present.

A song by Miss Edith Sterling and piano solo by Miss Alma Sterling were interspersed. E. G. Hill read his paper (published last week) on the first meeting at Cincinnati and J. C. Vaughan spoke forcibly of the work and accomplishments of the S. A. F. during its 25 years' existence and how much it had failed to achieve which had been in its power. W. R. Smith spoke beautifully of the friendships he had made through his association with the Society and how dear are the memories connected with the annual meetings. B. P. Critchell, who was a leading figure in the first convention, spoke briefly in response to a vociferous reception and declared that if the Society had done nothing except what was evidenced in the great exhibition now in progress it had done enough to justify its 25 years' life. The singing of "Auld Lang Syne" closed this memorable meeting and practically finished the convention, although a day of pleasure was still in prospect.

FRIDAY.

Friday was Cincinnati Florists' Day. Promptly at 11 a. m. the members with their families and friends to the number of ten or twelve hundred on board the big river steamer Island Queen started on a delightful trip up the Ohio river to the amusement resort known as Coney Island. The committee, in the person of J. A. Peterson, was indefatigable in the effort to make everybody happy. A genuine Kentucky barbecue—something entirely new to most of the visitors—was enjoyed and in the evening a grand display of fireworks, specially designed, brought this well-

conducted affair to a close. The committee on final resolutions, W. J. Stewart and Judge W. J. Vesey handed in an appreciative report on behalf of the Society, which will in due time, no doubt, be made public.

THE EXHIBITION.

As stated in our issue of last week the trade exhibition was of unprecedented magnitude and diversity. The great size of the exhibition hall permitted the use of abundant space for aisles and moving about, and there was a preparedness at the beginning and a comfortableness throughout which marked Superintendent Murphy as the man of all men to fill this difficult position. When needed he was always easily found and everything moved as smoothly as if it had been a periodical experience with him. The placing of the florists' supply department on the upper floor had its advantages and its disadvantages. Some exhibitors complained that it isolated them and that business was lost thereby. Others said it pleased them better than to be down among the bustle and push and afforded them better opportunity to talk business quietly and effectively with their customers. As a rule, the exhibitors in all departments admitted doing a good present or prospective business and practically all exhibits were sold long before the close of the convention. The plant department was a triumph. Such displays as those of Julius Roehrs Co., F. R. Pierson Co., Bobbink & Atkins, H. A. Dreer, Robert Craig Co. and J. A. Peterson are individually a prime attraction and together would make a notable horticultural exhibition in themselves. The bulb displays such as Michell's, Boddington's and Pierson's, were in quality and arrangement the best we have ever seen at one of these exhibitions. The table of American grown bulbs was especially a centre of attraction. The average retail florist has no conception of the wealth of beautiful material that is spread out for inspection in the florists' supply department on these occasions. Education in modern floral art, suggestiveness of inestimable value and a new and greatly enlarged appreciation of the importance of his business are a part of the benefits coming to the retail dealer who is enterprising enough to present himself at the S. A. F. convention, and he who goes once is pretty sure to go again and again. To enumerate the almost endless list of new ideas sticking out all over such big displays as those of Bayersdorfer, Pennock-Meehan Company, Reed & Keller, M. Rice & Co., and other well-

known supply houses, would take many pages of this paper. The pottery department is another department full of inducement for the retailer who has the trade of a discriminating public. The greenhouse building and equipment section of the show was a potent attraction to the grower and he who would be up-to-date in his outfit takes the proper bearings when he attends the S. A. F. Trade Exhibition and inspects for himself the advanced ideas which are here placed at his disposal.

LIST OF EXHIBITORS.

The Advance Co., Richmond, Ind., ventilating machinery.
 American Florist Co., Chicago, sample copies of American Florist.
 American Blower Co., Detroit, Mich., steam traps.
 Chas. Apelt, Comfort, Tex., armadillo baskets.
 Chas. D. Ball, Philadelphia, Pa., palms.
 Lemuel Ball, Philadelphia, Pa., palms.
 L. Baumann, Chicago, artificial flowers.
 H. Bayersdorfer & Co., Philadelphia, Pa., florists' supplies. The finest display ever put up; elegantly arranged.
 Ball & Betz, Cincinnati, O., wire designs; a very extensive line well made and artistic.
 E. A. Beaven, Evergreen, Ala., sheet moss.
 A. Bell, Connersville, Ind., carnation supports.
 Z. D. Blackstone, Washington, D. C., photographs of float decorations.
 Bobbink & Atkins, Rutherford, N. J., a grand collection of specimen evergreens.
 A. T. Boddington, New York, "Quality" bulbs and sweet peas.
 Bradford Belting Co., Cincinnati, O., hose.
 A. C. Brown Springfield, Ill., carnations.
 Camp Conduit Co., Cleveland, O., tile benches.
 W. W. Castle Co., Boston, Mass., Automatic Circulator.
 John Lewis Childs, Floral Park, N. Y., gladioli.
 Robt. Craig Co., Philadelphia, Pa., decorative plants. A grand showing of crotons.
 Chas. E. Critchell, Cincinnati, O., Artificial Poinsettias.
 Cushman Gladiolus Co., Sylvania, O., gladioli.
 A. T. De La Mare Printing & Publishing Co., New York. A line of book publications and Florists' Exchange.
 Detroit Flower Pot Mfg. Co., Detroit, Mich., flower pots.
 A. Dietsch Co., Chicago, greenhouse building materials.
 Henry A. Dreer Co., Philadelphia, Pa., bulbs, plants and sundries.
 Eagle Machine Works, Richmond, Ind., carnation support.



BODDINGTON'S BULB EXHIBIT AT CINCINNATI

Chas. Ebele, New Orleans, La., palms.
 W. H. Elverson Pottery Co., New Brighton, Pa., pots.
 Fernwood Nurseries, Stamford, Conn., catalogue, etc., of choice nursery stock.
 Foley Mfg. Co., Chicago, greenhouse appliances and construction.
 Chas. H. Fox, Philadelphia, Pa., photographs.
 Gillett & Ohmer, Cincinnati, O., florists supplies.
 Glen Mary Fish Farm, Amelia, O., gold fish.
 Glenny, Wm., Glass Co., Cincinnati, O., glass.
 Benjamin Hammond, Fishkill-on-Hudson, N. Y., putty and insecticides.
 Adam Heim & Son Co., Connersville, Ind., carnation support.
 Herendeen Mfg. Co., Geneva, N. Y., boilers.
 A. Herrmann, New York, florists' supplies.
 Hinode & Dauch Paper Co., Springfield, O., boxes.
 Horticulture Publishing Co., Boston, sample copies of Horticulture.
 Hubert Bulb Co. Portsmouth, Va., bulbs.
 E. H. Hunt, Chicago, supplies and tobacco products.
 Ionia Pottery Co., Ionia, Mich., flower pots.
 Thomas Jackson, Covington, Ky., alien manihara.
 Jackson & Perkins, Newark, N. Y., nursery stock.

Keller Pottery Co., Norristown, Pa., pots.
 Robt. Kift, Philadelphia, Pa., berry globes and adjustable vases.
 King Construction Co., N. Tonawanda, N. Y., greenhouse construction, model and material.
 Kroeschell Bros. Co., Chicago, boilers.
 Lager & Hurrell, Summit, N. J., orchids, established and fresh imported.
 Lion & Co., New York, ribbons, chenille, etc.
 Daniel B. Long Buffalo, N. Y., floral photos.
 Madison Basketcraft Co., Madison, O., willow baskets.
 W. A. Manda, South Orange, N. J., plants, including many fine novelties.
 H. D. Mann Co., Syracuse, N. Y., ribbon, chiffon, etc.
 McCaslin Bros., Zanesville, O., concrete bench.
 O. A. Muller, Ambler, Pa., carnation support.
 J. M. McCullough's Sons Co., Cincinnati, O., bulbs and plants.
 McFarland Publicity Service, Harrisburg, Pa., advertising literature.
 Henry F. Michell Co., Philadelphia, Pa., bulbs and supplies; very comprehensive.
 Wm. Moll, Cleveland, O., pipe clamp.
 J. C. Moninger Co., Chicago, building material.
 Morehead Mfg. Co., Detroit, Mich., steam traps.
 Muncie Floral Co., Muncie, Ind., literature.
 J. D. Murray, Springfield, O., boxes.
 J. G. Neidinger, Philadelphia, Pa., florists' supplies.
 Ohio Box & Board Co., Springfield, O., florists' shipping and mailing boxes.
 Ordenez Bros., Madison, N. J., orchid plants, imported and established.
 Pennock-Meehan Co., Philadelphia, Pa., ribbons and supplies; a fine line.
 J. A. Peterson, Cincinnati, O., decorative plants; Lorraine Begonias, etc.
 J. D. Pruessner, Galveston, Tex., Neprolepis Pruessneri.
 F. R. Pierson Co., Tarrytown, N. Y., bulbs and plants; large collection; high grade.
 I. L. Pillsbury, Galesburg, Ill., carnation staple.
 Quaker City Machine Co., Richmond, Ind., ventilating machines.
 Radford Pottery Co., Clarksburg, W. Va., pots.
 A. L. Randall Co., Chicago, florists' supplies.
 Reed & Keller, New York, florists' supplies; very extensive, including many new things.
 M. Rice & Co., Philadelphia, Pa., ribbons and supplies.
 Roseville Pottery Co., Zanesville, O., pots.
 Julius Roehrs Co., Rutherford, N. J., decorative plants.
 D. Rusconi, Cincinnati, O., bulbs, lily plants, etc.
 Schloss Bros., New York, ribbons.
 Shaw Fern Co., Pittsfield, Mass., cut ferns.
 Springfield Clay Mfg. Co., Springfield, O., fern pots and flower pots.



KROESCHELL'S BOILER EXHIBIT AT CINCINNATI

Springfield Floral Co., Springfield, O.,
Nephrolepis Springfield.

E. E. Stewart, Rives Junction, Mich.,
gladioli.

Standard Pump & Engine Co., Cleveland,
O., photographs of their specialties.

Storrs & Harrison Co., Painesville, O.,
nursery stock.

Thompson & Norris Co., Brooklyn, N. Y.,
shipping cases.

Underwood Machine Co., Cincinnati, O.,
pot washing machine.

Vaughan's Seed Store, Chicago, bulbs
and plants.

Vick & Hill Co., Rochester, N. Y. A
remarkable display of asters, comprising
fifty-one distinct varieties.

James Vicks' Sons, Rochester. A bril-
liant display of asters of the highest type.

Wertheimer Bros., New York, ribbons.

Winterson's Seed Store, Chicago, bulbs.

R. G. Wilson, Brooklyn, N. Y., corsage
bouquet holder.

Wilson Plant Oil & Fertilizer Co. An
ingenious and very practical Pot Washing
Machine; Tub Carrying Device; Hose;
Plant Oil, etc.

Wolf Machine Co., Dayton, O., ventilat-
ing apparatus and sifting and dumping
device.

Zanesville Stoneware Co., Zanesville, O.,
green tinted florists' vases, etc.

CONVENTION NOTES.

John Evans, the veteran from Rich-
mond, handled a golden chain contin-
uously in the exhibition hall. His de-
vices were all gilded and he had an
interesting audience about him all the
time, listening to his demonstration of
how to ventilate.

A party of visitors went to J. A.
Peterson's greenhouses at Westwood,
early Wednesday morning and feasted
their eyes on Farleyense, Lorraines
and dracaenas of high degree. Mr.
Peterson estimated that no less than
300 visited his place that day. Two
special cars were kept busy.

The happiest surprise of the conven-
tion was the unexpected presence there
of the Society's best beloved friend
and ex-president, Wm. R. Smith, fully
restored to his old-time vigor. His
talk on the nobility of the gardener's
calling at the meeting on Thursday
afternoon was easily the gem of all
the addresses the Society has ever lis-
tened to.

Vice-President Miller is right. The
way to get new members is to go after
them and make a personal effort. Any
state vice-president who will do that
with the same persistency as though it
was his own business will soon be able
to make a creditable showing for his
state. The vice-president who is not
disposed to do so should send in his
resignation.

The omission of the customary open-
ing addresses of welcome and response
was commented on quite generally, a
few matter-of-fact members approving
the immediate getting down to busi-
ness, but most of them expressing re-
gret that this picturesque and inspir-
ing feature had been cut out of the
program. The organ volunteers which
preceded each session were much en-
joyed by the music lovers.

Nephrolepis viridissima—not N. ele-
gantissima as stated in our report last
week, was the fern winning honorable
mention in the exhibit of F. R. Pierson
Co. N. viridissima is a sport from N.
superbissima. The frond is stiff, al-
most plain and of a remarkably bright
and glossy green. N. elegantissima

compacta as shown in this group, was
greatly admired. More symmetrical
and finely finished plants could not
be imagined.

The setting apart of one day on
which the public might be admitted to
the trade exhibition was an excellent
move. It left the hall free for the
transaction of business during the bal-
ance of the time and turned in quite
a good sum of money to the local club
from the sale of tickets. The rule pro-
hibiting sales at retail by exhibitors
also contributed materially to the cor-
diality which existed throughout be-
tween all classes, local and visitors.

"This society holds a charter of un-
precedented character and dignity in
the United States. Why should not
all horticultural interests appreciate it
and make use of it? The historian will
see in the horticultural trade press of
today a soul elevating agency that no
church can equal. Hold up your head.
Take pride in your work, pride in
your profession. The S. A. F. has
nothing in its history to be ashamed
of."

(Extract from speech of Wm. R. Smith.)

On Wednesday afternoon, those
ladies and others not desiring to at-



F. W. VICK

Vice-President Elect, S. A. F. & O. H.

tend the bowling contest, were given
a trolley ride to points of interest
about Cincinnati. Eight cars, decora-
ted with gladioli were required to
carry the party of about 400 people.
Among the interesting places pointed
out on the way were the Rookwood
Pottery, Art Museum, reservoir, St.
Johns Park, Spring Grove Cemetery,
Burnet Woods, Public Library and
Garfield Park and statue.

In our humble opinion, the armadillo
baskets which have had a run for the
past year or two are the most repul-
sive things ever offered to the florist
trade. There is surely enough appro-
priate and beautiful material from
which plant and flower baskets may
be constructed in endless variety with-
out encouraging the slaughter of these
harmless creatures, which until now

have been permitted to live unmolested
and fill their place in Nature's econ-
omy as insect eaters. The florist
should be the last man to give his
support to such business.

FRED W. VICK.

Vice-President of the S. A. F. and O. H.

F. W. Vick is a nephew of the late
James Vick and a member of the Vick
& Hill Company of Rochester, N. Y.
The mail order trade and the aster
seed business are the specialties of
the Vick & Hill Company and they
have achieved a wide popularity for
these goods. Mr. Vick is president of
the Rochester Commercial Florists'
Association, the members of which
hold him in high esteem and he can
be counted on as an influential factor
in making the convention at Roches-
ter, N. Y., next year a worthy succe-
sor of its forerunners.

THE SHOOTING CONTEST.

This interesting event was held at
the grounds of the Northern Kentucky
Gun Club, Thursday afternoon, the
members of the Society of American
Florists being the guests of the club.
There were five-men team events, sin-
gles and doubles, and prizes were of-
fered as follows: To the man break-
ing the greatest number of birds in all
events, a 16-gauge repeating shotgun,
offered by J. Charles McCullough; five-
men team prize, diamond stickpin for
each man on winning team.

Singles—Twenty-five birds; 1st prize,
silver cup, offered by Charles Esberger,
of Cincinnati; 2d prize, 15-shot repeat-
ing 22-cal. rifle, offered by Evans Bros.
Hardware Company, Cincinnati; 3d
prize, safety razor, offered by the Pick-
ering Hardware Company.

Doubles—Twenty-four birds; 1st
prize, gun case; 2d prize, fishing rod;
Kuhn, of Cincinnati.

The winners and their scores are
appended:

Event 1, 25 targets—1st, Altlick of
Dayton, 24, silver cup; 2d, Brown,
Springfield, 22, rifle; 3d, Rasmussen,
16, razor.

Event 2, 12 pair—1st, Brown, gun
case; 2d, Rogers, fishing rod; 3d, Al-
tick, cane.

Team Score: S. A. F. team—Altlick
22, Brown 23, Rogers 22, Gardner 15,
Shaw, 19; total 101. Northern Ken-
tucky team—Woodbury 24, Damonon
24, Keefe 23, Miss Astherr 22, Gonod
19; total 112. Altlick and Brown were
tied for high average with 37 out of
49. In the shoot-off for the gun, at
ten targets, Altlick won with 10 straight,
Brown getting 9.

LADIES' BOWLING.

Mrs. George Shaffer of Washington
was the winner of the beautiful Rein-
berg cup and the prizes for highest
single game and greatest number of
strikes. Mrs. C. McKellar of Chicago
was second, winning the Darling
cup and the prize for greatest number
of spares. The other contestants
achieving glory in greater or less de-
gree were Mrs. Meinhardt, St. Louis;
Mrs. Critchell, Cincinnati; Mrs. Kill,
Chicago; Miss Pfeiffer, Fort Thomas,
Ky.; Mrs. Winterson, Chicago; Mrs.
Guy, Belleville, Ill.; Mrs. Herr, Lan-
caster, Pa.; Miss Meinhardt, St. Louis.

THE BOWLING TOURNAMENT

This great annual occurring among the sporting enthusiasts of the S. A. took place at the Grand Alleys, Cincinnati, on Thursday afternoon. It was, as usual, late at night before the contests were finished.

There were more than 40 prizes ranging from diamond medals to safety razors. The Baltimore team captured the first prize, with Chicago second and Cincinnati third. There were but 32 pins difference between the three teams. Charley Graham, of Cleveland, won the diamond medal for the highest individual score. The Chicago team made the high score in any of three games; Baltimore in the first two games. Graham, of Cleveland, won the prize for the greatest number of strikes, and Gibson, of Philadelphia, won the prize for the greatest number of spares. The five highest men in the singles were Kasting, 360; McKellar, 351; Washland, 350; Shaffer, 344; and Oleson, 342. James H. Stevens, of Chicago, the crack bowler of the S. A. F., was matched for a series of 11 games with Bob Plumber, of Cincinnati, for \$500 a side. The contest was very close and attracted a great deal of attention. The florists were not slow in backing their champion, and the public was just as eager to stake its money on Plumber. This is the second contest between the two men, the other one having been played in Chicago about a year ago. Plumber won the series.

Team Scores.

Baltimore T'l, 2,388.	Chicago Total, 2,370.
Klutch .159 171 175	A. Zech...167 155 138
Moss .172 115 158	Asmus...171 145 157
Perry .155 178 121	Yarnall...163 122 178
Lehr .180 104 151	Bergman 207 134 177
Seybold .156 205 188	J. Zech...174 148 134
Total .822 773 793	Total .822 704 784
Cincinnati T'l, 2,254.	Denver Total, 2,132.
Schman 143 129 137	Glauber .115 159 128
Wit'star 81 149 168	Benson...143 172 117
Critchell 166 165 137	Johnson .144 164 129
S'd'rb'ch 156 156 163	Kurth...153 143 124
Jackson. 127 154 201	Valentine 160 127 154
Total .675 753 826	Total .715 765 652
Cleveland T'l, 2,118.	Phila. Total, 2,069.
Bate... 173 140 139	Westcott. 135 104 116
Warnbee. 74 105 111	Kift... 159 157 153
Friedley. 174 113 154	Burton... 144 151 108
Hart... 118 137 118	Rosnosky 127 137 106
Graham. 190 169 203	Gibson... 154 149 169
Total.. 729 664 725	Total.. 719 698 652
St. Louis T'l, 2,049.	Detroit Total, 2,027.
Bencke... 183 146 139	Sullivan. 139 119 142
Guy.... 138 137 117	Bloy.... 162 129 120
Weber... 91 117 94	Rahaley.. 126 136 113
Wilson... 170 121 146	Watson... 142 129 129
Kuehn... 167 141 162	Rush.... 89 190 162
Total.. 729 662 658	Total.. 658 703 666
New York T'l, 1,968.	Pittsburg T'l, 1,882.
Manda... 156 109 145	J. Ludwig 97 130 107
Roehrs... 125 87 119	Demas... 137 144 130
Bunyard. 129 109 131	E. Ludwig 124 132 135
Wilson... 128 122 147	Loew.... 99 102 112
Berry... 151 133 177	Carney... 158 174 101
Total.. 689 560 719	Total.. 615 682 585

Report of Legislative Committee Concerning Ice Charges.

At the meeting held at Niagara Falls last year, the matter of charges for ice in transportation of cut flowers was transferred to your committee and the case particularly brought up was that of Mr. Edward Reid of Philadel-

American Grown Roses

Fruit and Ornamental Trees, Shrubs Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

phia. We took the matter up with the leading express companies and it transpired that the American Express was the leading company in this work, but that fifteen different companies were working under one official express classification of graduated charges and that what one company did the others would be obliged to follow. In the special provisions for allowances and variations, the clause known as number 8, General Specials, provided for seventy-eight articles, all of which received an allowance from the gross weight of 25 per cent. between March 1st and November 3rd, when it is necessary to use ice for preservation and it is used for that purpose only. In this list are thirteen different articles pertaining to plants, but cut flowers are not allowed.

The superintendent of the American Express Co., J. F. Christy, said that in taking this matter up, it touched so many interests he advised an interview with the representative of this company and the result was that the entire matter was laid before the General Manager, who went over the matter with care and expressed willingness to do anything that was reasonable to meet the demands of their patrons. J. D. Ludlow, the Traffic Manager, of Wells, Fargo & Co., stated that they

OVER FIFTY ACRES IN CHOICE EVERGREENS

The Framingham Nurseries offer a large and select stock of the following varieties of

EVERGREENS

Abies Balsamea, Concolor, and Fraseri; Junipers of various varieties; Picea Alta, Engelmanni, Excelsa, Pungens glauca, and Pungens Kosteri; Pinus Excelsa, Mugho, and Strobus; Pseudo Tsuga Douglasii; Retinosporas, assorted; hardy Taxus, such as Canadensis, Cuspidata, and Brevifolia; Thuja Occidentalis, Globosa, Peabody's Golden, Pyramidalis, and Siberica; Tsuga Canadensis, Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor, Picea pungens, and Pinus Strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always advisable. Boston and Worcester Electricians pass our grounds.

ADDRESS

W. B. WHITTIER & CO.
South Framingham, Mass.

PRIMULA KEWENSIS

For sale, 300 strong plants in soil ready to go into 5 inch pots

\$8.00 per 100,—the lot \$20.00

F. E. PALMER, Brookline, Mass.

CARNATIONS

All the best varieties. Florists Fall
Bulbs and Seeds. Top Quality

Skidelsky & Irwin Co.,
1215 Betz Bldg., PHILA., PA.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Woburn Heights, P. O. No. 1, Hoboken, N. J.

PINUS STROBUS

White Pine

	Per 100.
3 to 4 ft. XX with ball.....	\$50.00
4 to 4½ ft. XX with ball.....	70.00
4½ to 5 ft. XX with ball.....	90.00
5 to 5½ ft. XX with ball.....	125.00
5½ to 6 ft. XX with ball.....	150.00
6 to 7 ft. XX with ball.....	200.00
7 to 8 ft. XX with ball.....	225.00
8 to 9 ft. XX with ball.....	300.00

We have a very large and fine block of Pinus Strobus in the larger sizes, and are confident that our stock is finer than any in New England. We shall be glad to give special prices on large lots, by mail.

Eastern Nurseries,
Jamaica Plain, Mass.

In writing advertisers kindly mention HORTICULTURE.

HEACOCK'S PALMS.

KENTIA BELMOREANA

6-in. pot, 22 to 24-in. high.....	\$1 00 each
6-in. pot, 24 to 26-in. high.....	\$1 25 each
6-in. pot, 26 to 28-in. high.....	\$1 50 each
9-in. tub, 42 to 48-in. high.....	\$5 00 each
9-in. tub, 48 to 54-in. high.....	\$6 00 each

MADE-UP KENTIA FORSTERIANA

9-in. tub, 4 plants, 42 to 48-in. high..	\$ 4 ea.
--	----------

JOSEPH HEACOCK CO. WYNCOTE, PA.

were unable to do anything more than what the official classifications called for, unless that classification was changed, and stated that, "cut flowers are charged merchandise rates and I think that you will agree with me, that when we accept shipments of this character at the same rates for which we accept and transport ordinary merchandise, we are making a very liberal classification." Following this the American Express Traffic Department sent out letters to the agents, requesting reports as to the quantity of shipments and the average weight of the same. We asked for reports from shippers all over the country as far as we could through the trade papers and sent out a number of letters.

The point where there seemed to be the most interest in the matter was Chicago and several large shippers sent on their opinion that it was desirable to get the concession on the gross weight. These letters were laid before the General Traffic Manager, Mr. Bradley, who advised that he had not supposed that such shipments were being made to any extent, where ice was used and said, "I will at once investigate the question of ice with shipments of flowers. I will make inquiry of our agents at the principal cities and will give it full consideration." During this investigation we received from New York City particular objection to the charge for returned empties and to this we were advised, "that the classification always provided that returned empties must be delivered at the depot by the shipper and taken from the depot by the consignee. We know that our agents did not live up to the classifications in this particular and that they had been picking up and delivering empties for certain patrons. Agents at other points did not do so for any patrons and it constituted a discrimination which we are obliged to overcome by putting into effect a classification providing for an additional charge, where pick up and delivery service was rendered, and furthermore we must not lose sight either of the transportation and delivery of cut flowers in the extreme cold or extreme heat calling for extra services in many cases."

The outcome of the investigation was as follows: While there may be shipments where the ice weight could properly be allowed, under the present Interstate Commerce Law it was not in the power of the express company to make any special allowance unless it was done equally to one and every shipment. The quantity of small packages which go from the distributing centers, contained more or less ice, is large and the charges on such small packages are the minimum. On the other hand, in the case of commodities, particularly fish, where the ice allowance amounted to considerable, the weight for which they paid was greater in every instance than any ordinary shipment of flowers and the delivery of flowers outside the shipping market, entailed usually additional cost for delivery so that the companies could not afford to modify.

After this conference with the traffic people, I conferred with a competent legal adviser as to what show there would be to take this matter before the Interstate Commerce Commission for a revision.

The Society of American Florists placed at the command of this committee \$100 for expenses. This has not been touched. The advice that I received was that the facts in the case as it stood would not be strong enough to carry before the Interstate Commerce Committee, because the Express Companies' statement of the case would receive equal weight with that of the shipper and unless a case strong enough could be made showing that injustice was done, the point could hardly be conceded.

These facts were made known and circulated through the trade papers and Messrs. Patrick Welch of Boston, and Alfred Langjahr of New York, both for their respective localities, were much interested in trying to bring about pressure that would secure desired results for both the New York and Boston interests, but as far as the placing of ice allowance upon the bases that the General Specials are, a case will have to be presented showing specific shipments and the average quantity of ice used for the country generally, if the schedules now in use by the companies named are to be modified. That data I was unable to obtain.

Annual Report of the Maryland State
Vice-President to the S. A. F. and
O. H. Convention at Cincinnati,
August 17, 1909.

I would judge by the reliable thermometer "Building Activity," that the kind hand of Providence has been liberal in handing out prosperity to the florist of Maryland, as I understand that there is more new glass going up this season than ever before, that it is being done in a very substantial manner, that nothing but the very best material will do, and that the most modern ideas in scientific construction are the order of the day. There has been no failure of any account as far as we can learn among the craft anywhere in the state this year.

The Florist Exchange, which is the main distributing point of the wholesale growers, reports business on a steady increase with bright prospect for the future, on account of out-of-town trade which it is developing, and reports that considerable new glass will be added to its source of supply.

We notice with a good deal of satisfaction the inclination of our largest growers to endeavor to produce the very highest grade of stock—that is, quality in preference to quantity. Several new retail stores have opened up showing that there are still those who have faith in the business, and yet with the new ones in the field the old stands are still on the job.

There seems to have been very little cause for complaint in regard to the spring bedding trade, all good stock apparently being cleaned out early. Geraniums were scarce before the end of the season, a condition caused no doubt by the better class that is being grown.

The Florists' and Gardeners' Club is in prosperous condition. During the past winter we had several very interesting and instructive lectures by the Professors from the Agricultural and Experimental Station, also a very

enjoyable illustrated lecture by Mr. J. O. Thilow of Dreer's, Philadelphia, on the Yellowstone Park. At nearly every meeting there have been very meritorious exhibits of flowers and plants, especially on Geranium Night when R. Vincent, Jr. and Sons Co. exhibited some 200 varieties, and on Carnation Night when many of the newer varieties were exhibited as well as some very fine seedlings, among them one by Mr. Thaw, which he has grown for two years and will offer this fall. It is brighter in color, large and fuller than Harlowarden.

The annual meeting and exhibition of the Maryland State Horticultural Society with which many of the florists are affiliated, was a revelation of what the state can produce. The display of horticultural products of every kind which practically filled the 50,000 or more square feet of available space in the great hall of the Fifth Regiment Armory, ranked as first-class among all exhibits of like nature in the United States.

The State Agricultural College and Experiment Station with their efficient staff of officers have done very effective work during the past year in working out difficult problems of plant diseases and injurious insects and also in the dissemination of useful bulletins covering every department of the work and investigation.

As far as I can learn, notwithstanding the dry summer, carnation plants are looking generally better than a year ago. There have been fewer roses carried over this year than last, therefore necessitating the planting of considerably more young stock, which is reported as looking well.

The seedmen report a very prosperous season, both for the counter trade and mail order business. Through the opening up of direct steamship communication with the south, Baltimore will have unequalled opportunity to become a great distributing center for seed and farm supplies. One house reports selling over 275 carloads of seed during the past season.

There is at present considerable suburban development around Baltimore and hundreds of new country residences are being built, creating a very perceptible demand for florist and nursery stock.

R. A. VINCENT.

"SOLD OUT."

Please discontinue our Carnation ad. HORTICULTURE has done its good work and we are sold out. Send bill and we will mail check.

AUG. GAEDEKE & CO.
Nashua, N. H., Aug. 24, 1909.

New Spawn

100 lbs. \$7.00

Including our Treatise How to
Spawn A Bed Successfully.

**W. ELLIOTT & SONS,
NEW YORK**

CYCLAMEN

NEW CROP

FARQUHAR'S GIANT STRAIN

Is **UNEXCELLED** for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with claret base
Giant White Picturatum, Pink with claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

SEED TRADE.

American Seed Trade Association.

The report of the proceedings of the 27th annual convention, held at Niagara Falls, Ont., on June 22-24, 1909, has just been issued. It gives a very full and detailed account of the discussions, committee reports, papers and addresses presented and other matters of great value to the seed trade. It is well printed and a fine portrait of President W. S. Woodruff makes an appropriate frontpiece.

Notes.

S. B. Dicks, representing Cooper, Taber & Co., and J. J. Comont, representing James Carter, Dunnett & Beale, London, are making their annual call on their American customers.

A correspondent writing from Frankfurt, Germany, informs us that many seeds will be scarce. Numerous perennials were winter-killed and the backwardness of the season threatens late asters.

CYCLAMEN SEED

NEW CROP

If you want thrifty plants that will bloom freely and produce gigantic bloom, then our Fancy Giant Cyclamen is the strain to grow. Our seed is grown for us in England by a leading specialist.

	1000 Seeds	100 Seeds
Duke of Connaught, Crimson	\$1.25	\$10.00
Excelsior, White with red eye	1.25	10.00
Grandiflora Alba, Pure white	1.25	10.00
Princess of Wales, Deep pink	1.25	10.00
Salmon Queen, Salmon rose	1.25	10.00
Mixed, All colors.	1.00	9.00

H. F. MICHELL CO., 1018 Market St., Philadelphia, Pa.

CABBAGE, Succession, Flat Dutch and Savoy
\$1.00 per 1000. \$8.50 per 10,000.

CELERY, White Plume and Golden Self Blanching.
\$1.00 per 1000. \$8.50 per 10,000.

PARSLEY, 25 cts. per 100. \$1.25 per 1000.
CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 100 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00
For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

GIGANTIC PANSIES

can only be produced from the Giant Strains. Our **CHALLENGE PANSY** seed contains only the giant color, the giant striped and variegated and the giant blotched, all in the proper proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

Trade pkt.	1 oz	1/2 oz	1/4 oz	1/8 oz
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, Seedsman, 312 West 14th St., New York City

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CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS **FLOWER SEEDS** Get Our Prices **79 and 81 E. KINZIE STREET, CHICAGO**

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True stock from most reliable growers

PURITY FREESIA

SEND FOR COPY OF OUR WHOLESALE BULB CATALOGUE NOW READY

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NEW YORK

ORDER NOW
French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

Custom House Broker
and Forwarder

Special attention, prompt and careful forwarding of plants, bulbs, etc. to all parts of the country.

Fred'k H. Griffin, 88 Broad St., Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

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Harrisii and Longiflorum, Selected.
Lilium Longiflorum Giganteum C. S. by the case of 300.

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FRENCH AND DUTCH BULBS

Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

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Ward's Lily Bulbs

Not how cheap, but how good.



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High Grade Cut Blooms**

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sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

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The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto. Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

NEW YORK, BOSTON, PHILADELPHIA
TAKE CARE OF OCEAN STEAMERS



Can deliver to
LAKE STEAMERS
NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

Of Interest to Retail Florists

New Canaan, Conn.—H. M. Woundy
has disposed of his business to Stephen
B. Hoyt.

San Francisco, Cal. Creditors of
John R. Seivers have filed a petition
asking that he be declared bankrupt.

NEW RETAIL STORES.

San Francisco, Cal.—Miss C. Fivish,
2807 California street.

San Francisco, Cal.—The Thorsted
Floral Co. has leased a store in the
Phelan building, which, when fitted
up, will be one of the most elegant
places on the coast.

Pittsburg, Pa.—A. W. Smith will
open about Oct. 1, at the corner of
Liberty avenue and 7th street. All
the up-to-date furnishings will be in-
stalled and it will be a handsome es-
tablishment.

STEAMER DEPARTURES

Allan.

Laurentian, Boston-Glasgow. Sept. 3

American.

Philadelphia, N. Y. Southampton. Sept. 4

St. Paul, N. Y. Southampton. Sept. 11

Atlantic Transport.

Minnewaska, N. Y. London. Sept. 4

Minneapolis, N. Y. London. Sept. 11

Cunard.

Campania, N. Y. Liverpool. Sept. 1

Carpathia, N. Y. Mediterranean. Sept. 1

Saxonia, Boston-Liverpool. Sept. 8

Lusitania, N. Y. Liverpool. Sept. 8

French Line.

La Lorraine, N. Y. Havre. Sept. 2

La Provence, N. Y. Havre. Sept. 9

Hamburg-American.

Cleveland, N. Y. Hamburg. Sept. 4

Pres. Grant, N. Y. Hamburg. Sept. 8

Holland-America.

Noordam, N. Y. Rotterdam. Sept. 7

Leyland Line.

Canadian, Boston-Liverpool. Sept. 1

Bohemian, Boston-Liverpool. Sept. 8

North German Lloyd.

K. Wilhelm II., N. Y. Bremen. Aug. 31

Gr. Kurfurst, N. Y. Bremen. Sept. 2

White Star.

Oceanic, N. Y. Southampton. Sept. 2

Cedric, N. Y. Liverpool. Sept. 4

Dominion, Montreal-Liverpool. Sept. 4

Romanic, Boston-Med. Pts. Sept. 15

BUSINESS CHANGES.

Troy, N. Y.—John Pickering's Sons
succeed John Pickering in the florist
business.

Lewiston, Ill.—Edson Bearce has
purchased the greenhouse business of
William Jones.

Clifton Springs, N. Y.—J. W. Kel-
logg has bought the greenhouse of
Mrs. Geo. C. Raymond.

Montello, Mass.—The greenhouse of
H. F. Crawford has been sold to Wil-
liam Stewart of New York.

Lowell, Mass.—J. McManmon has
purchased the greenhouses of C. L.
Marshall and will install a modern
heating plant. The houses will be de-
voted to carnations and violets.

Charleroi, Pa.—Jos. Haube has
taken his brother into partnership
and has bought a tract of twenty-
three acres, on which greenhouses
will be built in the spring. Jos. Haube
& Bro. will be the new firm's name.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

**Choice Flowers and
Floral Emblems**

FILLED PROMPTLY

Orders by Wire Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

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For Steamers sailing from Montreal and Quebec
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LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Business Notes.

V. C. Stock has sold out his store on West 12th street.

Hoerber Bros., of Des Plaines, Ill., have opened a wholesale market for their flowers in the Atlas Block, Washash avenue.

Ernst the Florist, West 12th street, has bought twelve lots at Berwyn and will sell the business and build greenhouses on the new site in the spring.

Mr. Arter, formerly with Scheffler on Chicago avenue, has gone into the retail business for himself on Evanston avenue, near Foster. His brother, J. Arter, has also opened a store at the corner of 40th and Colorado avenues.

Personals.

Louis Winterson and wife are at Louisville, Ky., for a rest.

Mr. and Mrs. Chas. McKellar left for Chillicothe, Ohio, after the convention.

A. Lange and family are home from an extended western trip to the coast.

R. C. Northam, wife and children spent two weeks in Muskegon and northern Michigan.

F. S. Ayres has returned from a three weeks' hunting and fishing expedition in Canada.

Mr. and Mrs. F. C. Dickinson are spending a couple of weeks at their summer home at Pelican Lake, Wis.

Visitors: Claude Wisley, Murphysboro, Ill.; Wm. E. and Luther Maynard of Knoxville, Tenn.; U. J. Virgin, Wm. Behm, Chas. Eble, New Orleans; B. Rosens, New York; T. L. Metcalf and wife, Hopkinsville, Ky.; Martin Reukauf of Bayersdorfer's, Philadelphia; F. Temple, Davenport, Iowa; H. Philpot, Winnipeg, B. C.

ROCHESTER NOTES.

Salter Bros. are showing some splendid gloxinias with very large leaves and exquisite colors.

Since last week's heavy rains prices of cut flowers have improved and the quality is better. Still asters are hanging fire somewhat in spite of some beautiful shades.

Formosa lilies are arriving in good condition, one firm especially stocking largely. Shippers advise growers to pot these lilies now for Easter bloom, growing them in a 45 deg. temperature continuously to obtain best results.

News of the decision to hold the 1910 Convention here was last Thursday received with the greatest satisfaction, as well amongst florists as trade in general. Considering the rivalry between Montreal and this little burg, great credit is due to Messrs. C. H., T. W. and A. E. Vick, George Hart, W. Day, W. Dildine and W. Keller for the result. The estimated number of probable trade visitors, judging from the Cincinnati convention, is put at from 1200-1500. A. P.

Visitors in Philadelphia: W. E. Clark, treasurer of the Pittsburgh Florists' Exchange, Pittsburgh, Pa., and a party of friends on their way to Atlantic City, Monday, 23rd inst.

DETROIT NOTES.

Wm. Brown has bought a place, about in order to make quick connection with his home near Birmingham.

Mr. Taepke's place is ready for the decorators. A large store room in the rear and a greenhouse 30x10 has been added; also a new icebox and office fixtures.

Robt. Watson has his new office, icebox and salesroom completed, causing an improvement of a hundred per cent. Talking over the cost of building, he is coming to the conviction that in the near future lumber will be delivered like flowers, wrapped in paper or done up in boxes.

Last Saturday all those who attended the convention arrived home full of praise for the convention and in particular the liberality of the fellow workers of Cincinnati. The most pleased among them was undoubtedly our baseball enthusiast, Louis Charvatt, who won several prizes for home runs, good hits, etc., etc., amounting to \$17.00.

PERSONAL.

John R. Perkins of Exeter, N. H., is now in charge of the plant of E. E. Arnold at Greene, R. I.

H. L. Trott has taken a position as grower at the Fernhill Greenhouses, Montgomery, Ala.

John Roach has returned from his Texas trip and is installed as manager at St. Vincent's Academy, St. Vincent, Ky.

James Gillis of Natick has been engaged as foreman in the floricultural department at the Agricultural College, Amherst, Mass.

Wm. E. Tricker, son of Wm. Tricker, the water lily specialist, has taken a position at the Florham Farms Greenhouses of C. H. Totty, Madison, N. J.

W. B. Ridgeway, formerly with the Eastern Nurseries and for the past year foreman on the grounds of the Alaska Yukon Exposition, has returned from Seattle to Boston.

Chas. Robinson, of Henry M. Robinson & Co., Boston, who has recently returned from a month's vacation, is suffering from poison caused by a rose thorn prick in his arm.

Rudolph L. Roehrs, son of Julius Roehrs of Rutherford, N. J., recently connected with the Eastern Nurseries, sailed on the Devonian from Boston on August 18, and will spend two years studying at Kew Gardens, London.

We have received a postal card bearing the autograph of John K. M. L. Farquhar, I. D. Farquhar, Winfried Rolker, Charles Lenker and Eugene Berndt of Henry Mette, indicating that all these estimable gentlemen met at Quedlinburg on August 6 and were taking full advantage of the opportunity to enjoy that interesting city.

INCORPORATED.

Louisville, Ky.—Kentucky Nursery Co., capital stock increased from \$30,000 to \$50,000.

Tarentum, Pa.—The McWilliams Floral Co.; capital \$15,000.

Farmingdale, N. Y.—The Herrick Floral Co.; capital \$5,000.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
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Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

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BOSTON

Inscriptions, Emblems, etc., Always in Stock

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Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 239 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tallby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

In ordering goods please add "I saw it in HORTICULTURE."

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Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

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Your orders for flower or plant delivery in Eastern New England to

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Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

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We are offering the choicest stock of the season and the best value at the market price.

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Consult the Advertisements on these Wholesale Flower Pages

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Ample Supply of Fine Quality.

\$12.50 per 100.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

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Boston, Mass.

CUT FLOWER BOXES

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MANUFACTURERS
PHILADELPHIA, PA.

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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

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CUT FLOWERS

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Rice Brothers

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CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 22	TWIN CITIES Aug. 22	PHILA. Aug. 23	BOSTON Aug. 26
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00	18.00 to 25.00
Extra	20.00 to 25.00	15.00 to 20.00	12.50 to 15.00	10.00 to 15.00
No. 1	15.00 to 20.00	12.00 to 15.00	8.00 to 10.00	4.00 to 8.00
Lower grades	5.00 to 10.00	5.00 to 10.00	4.00 to 5.00	2.00 to 3.00
Belde, 'Maid, Chateaux, F. & S.	5.00 to 6.00	4.00 to 5.00	4.00 to 5.00	3.00 to 6.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00	.25 to 1.00
Killarney, Fan, & Sp.	5.00 to 6.00	4.00 to 7.00	4.00 to 6.00	6.00 to 8.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	.25 to 1.00
Richmond, Fancy & Special	5.00 to 6.00	5.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Lower grades	3.00 to 4.00	3.00 to 5.00	2.00 to 3.00	.25 to 1.00
My Maryland, Kaiserin	5.00 to 10.00	..... to	6.00 to 8.00	.50 to 8.00
CARNATIONS				
	1.00 to 2.00	1.00 to 2.50	1.50 to 2.00	.50 to 1.00
MISCELLANEOUS				
Gladioli	3.00 to 6.00	3.00 to 5.00	2.00 to 5.00	1.00 to 3.00
Asters	1.00 to 3.00	1.00 to 2.00	.50 to 2.00	.15 to 1.00
Campanas	35.00 to 50.00	40.00 to 50.00	..... to 75.00	50.00 to 75.00
Lilies	8.00 to 10.00	10.00 to 12.50	12.50 to 15.00	6.00 to 8.00
Lily of the Valley	..... to 3.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Mignonette	3.00 to 5.00	2.00 to 3.00	..... to 1.00	.50 to 1.00
Sweet Peas	.25 to .50	.40 to .50	.40 to .50	.05 to .20
Gardenias	..... to .....	..... to 50.00	..... to 20.00	8.00 to 30.00
Adiantum	..... to 1.00	.75 to 1.00	1.00 to 1.50	.75 to 1.25
Smilax	..... to 12.00	10.00 to 15.00	12.50 to 15.00	10.00 to 12.00
Asparagus Plumosus, strings (100)	40.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Spreng. (100 bchs.)	15.00 to 20.00	35.00 to 50.00	25.00 to 50.00	15.00 to 25.00

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37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

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WHOLESALE COMMISSION DEALERS IN
CUT FLOWERS — FLORISTS' SUPPLIES
AND HARDY CUT EVERGREENS

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Take notice that a Certificate of Merit was awarded at Cincinnati to the

CASTLE AUTOMATIC CIRCULATOR

This is an Endorsement of the Automatic Improvement which has met with so much favor among the many greenhouse men who have installed the Automatic.

It works while you sleep and saves lots of fuel.

Send for descriptive Catalogue.

W. W. CASTLE CO.
170 Summer St., Boston



FIELD GROWN Carnation Plants

We offer, subject to prior sale, the following:

These are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and handled under the best possible methods, thus insuring results that will place the plants in our customers' hands in the very best condition.

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First grade \$8.00 per hundred. \$75.00 per thousand.
Second grade 7.00 per hundred. 60.00 per thousand.

*NOTE. - Second grade are as good, if not better than most Growers' first grade.

PROSPECTOR GENEVIEVE LORD HARLOWARDEN	\$5.00 per hundred. \$45.00 per thousand.
---	--

SARAH HILL, \$12.00 per hundred.

POT GROWN PLANTS

800 BOUNTIFUL, 4 in. Pots.
2000 WHITE PERFECTION. 4 in. Pots.
\$6.50 per hundred. \$55.00 per thousand.

S. S. PENNOCK - MEEHAN CO.
The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow Street Store closes 6 p. m.
Washington Store, 1212 New York Ave.

Flower Market Reports.

BOSTON Taken on the whole it is the general conviction that business is a trifle better than it was one year ago. The summer resort demand has undoubtedly fallen behind but other business has more than offset the loss. The flower most in evidence is the aster. It is seen in particularly fine quality at present. It had a bad setback at the last storm but in the intervening week has improved wonderfully, yet the quantity offered far exceeds the call and the best being only indifferent in its sale, the lower grades don't pay expenses of picking. The same is true of the cut of buds from the young roses of this year's planting. There are more than enough of the stock from plants grown especially for summer trade to supply all legitimate wants and the tiny fingerlings, coming in from houses recently planted are absolutely valueless. Very few carnations are seen. They are all right as to flower, but short stemmed. Quite a few precocious chrysanthemums, white and yellow are being received, and they bring about twelve dollars a hundred.

Trade brightened up **BUFFALO** considerably the past week and as stock on some lines was not so plentiful, values have been better. The roses were in better condition and at times not enough good grade could be had. Beau-

ties are fine and have sold well, also Kaiserins, Carnots and Bridesmaids. Carnations are taking a rest and the early crop of asters is about over. The Late Branching are coming in but not too plentiful at this writing. Selected stock has sold readily. There are plenty of Japan lilies to be had and they have moved well. Sweet peas were poor and hardly worth the time for picking. Lily of the valley has had a better demand. Plenty of greens are coming in.

Stock is so scarce that **CHICAGO** many stands are closed temporarily. The field carnations are beginning to come in and some are quite fair as to quality, though the supply is very short. Asters are still poor and only a small percentage are of good quality. Altogether, trade has probably reached the lowest mark of the season. Funeral work is practically all there is and there are days when there are not sufficient good flowers for that.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Aug. 23		Aug. 23		Aug. 23		Aug. 23	
ROSES								
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	15.00	to 18.00	15.00	to 20.00	10.00	to 15.00
" No. 1.....	8.00	to 12.00	10.00	to 15.00	5.00	to 10.00	8.00	to 12.00
" Lower grades.....	4.00	to 6.00	4.00	to 8.00	3.00	to 4.00	2.00	to 4.00
Bride, 'Maid, Chateauy, F. & S.....	.....	to 6.00	4.00	to 6.00	5.00	to 6.00	.....	to
" Low. gr.....	3.00	to 4.00	2.00	to 4.00	4.00	to 5.00	.....	to
Killarney, Fan. & Sp.....	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy & Special.....	6.00	to 8.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
My Maryland, Kaiserin.....	3.00	to 5.00	.....	to .....	.....	to	6.00	to 8.00
CARNATIONS.....								
	1.00	to 2.00	.75	to 1.50	1.00	to 2.00	2.00	to 4.00
MISCELLANEOUS								
Gladioli.....	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Asters.....	1.00	to 2.00	.50	to 1.50	.50	to 2.00	.25	to 3.00
Cattleyas.....	.....	to	35.00	to 50.00	40.00	to 50.00	.....	to
Lilies.....	10.00	to 12.00	12.50	to 15.00	8.00	to 12.00	6.00	to 12.00
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette.....	.....	to .....	.50	to 1.00	.50	to 1.00	.....	to
Sweet Peas.....	.35	to .50	.25	to .50	.50	to 1.00	.....	to
Gardenias.....	.....	to	20.00	to 30.00	20.00	to 30.00	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.50	.50	to 1.00	.....	to 1.25
Smilax.....	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	.....	to 12.50
Asparagus Plumosus, strings (100).....	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	30.00	to 30.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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PHILIP F. KESSLER

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CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

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Carnations

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Shipments, any quantity, Whole-
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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Aug. 21 1909		First Half of Week beginning Aug 23 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Extra.....	6.00	to 10.00	6.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
Ply Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664-1665 MADISON SQUARE

ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

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Wholesale and Retail Dealers in all kinds of

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Bronze and Green Galax

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New York

GROWERS' CUT FLOWER CO.CUT FLOWERS
AT
WHOLESALEVIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES

Consignments Solicited Shipments to Order, any Distance

39 West 28th Street,

Telephone 6537 Madison Square
J. J. COAN, Manager

NEW YORK

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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Tel. 4591 Main

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54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

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123 West 28th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

Do not be faked by Wholesale Florists who
sell green thread supposed to be equal to the

Meyer Green Silkaline
Demand the best—it costs less.

John C. Meyer & Co. Boston and
Lowell, Mass.

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
\$2,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

SOUTHERN WILD SMILAX
Now ready in limited quantity.
E. A. BEAVEN
EVERGREEN, ALABAMA.

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Southern Wild Smilax
Satisfaction Guaranteed
Louisville Floral Co., Louisville, Ala.

Flower Market Reports.

(Continued from page 313)

At this time of the
DETROIT year it is a genuine
pleasure to report a
shortage of stock because of improved
business. The amount sold and the
collections made are far in advance of
a year ago and it is only reasonable to
look with great hope into the future.

The quiet summer
NEW YORK market is supple-
mented by a very
light supply of greenhouse products,
many growers not sending anything at
all to the wholesalers. The outdoor
stock such as asters, gladioli, sweet
peas, hydrangeas and lilies, is, of

A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.
CONSIGNMENTS SOLICITED.

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

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Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
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KEEPING OPEN HOUSE THIS SUMMER
TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON
TOP PRICE AND PROMPT RETURNS

J. K. ALLEN 106 W. 28th St., N. Y.
Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 21 1909		First Half of Week beginning Aug. 23 1909	
Cattleyas.....	42.00	to 75.00	40.00	to 75.00
Lilies.....	3.00	to 6.00	.00	to 6.00
Lily of the Valley.....	.50	to 3.00	.50	to 3.00
Asters.....	.10	to 1.00	.10	to 1.00
Gladioli.....	.25	to 1.00	.25	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 4.00
Gardenias.....	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Spreng. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

course, in abundant evidence, even
golden rod finding a place alongside
the cultivated material, but the in-
trinsic value of the entire output of
such things is only small and offers
but small inducement for the large
operators. Asters are seen in many
types, some weird, some beautiful,
some otherwise. The very finest, re-
sembling chrysanthemums, on two-
foot stems, are unloaded with difficulty
at a price that would have horrified
the grower last season. This being
the case what chance for a sale have
the little bundles of useless runts?
Absolutely none; they are worthless.
The roses, and practically the only
ones that are finding a steady market
are Maryland and White Killarney,
are in a similar plight. These
two are the favorites on all sides
and will so continue throughout the
coming season. Both "make up" beau-
tifully and have all the qualities to
grace the most exquisite work. Lily
of the valley is very fine now. Orchids
are more than ever a luxury and the
possessor of a few good Cattleyas can
set his price as high as he chooses.

The volume of
PHILADELPHIA stock arriving in
this market sen-
sibly diminished last week, which gave

a distinctly better tone to the market,
although the amount of trading was
not any larger. The quality of the
aster crop is now much better; the
stems are longer, the flowers larger,
full double and of excellent form and
finish. This fine summer flower is now
as it should be, and a satisfaction to
everybody. Gladioli have taken quite
a drop as to quantity and are now
cleaning up nicely. A new item now
on the conspicuous list is Hydrangea
paniculata bloom, used quite largely
in funeral work and also for decora-
tions. American Beauty roses sold up
well, although there is no marked dif-
ference in these either as to quantity
or quality. A few more cool nights
will help this crop. Liberty improved
slightly and My Maryland is quite a
bit better. Very fair stock arriving of
other roses—especially Kaiserins and
Brides. A few of the new crop carna-
tions are making their appearance; but
they are short stemmed as yet. Or-
chids are scarce, and lily of the valley
is also on the scarce side. Speciosum
lilies are fairly plentiful and go slow;
but Easter lilies are in good demand
with only limited supply. Water lilies
seem to be over for the time being at
least—none on the market this week.

Haverhill, Mass.—John E. Tabor
and Willis F. Eaton have started in the
florist business.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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AMPELOPSIS.

A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.

ASTERS.

J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

AUTOMATIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire de Lorraine.
For page see List of Advertisers.
"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants, \$25.00 per 100; extra large plants from 4 inch pots, \$50.00 per 100. All propagated from leaf cuttings.
Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschel Bros. Co., 466 Erie St., Chicago.
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The Castle Co., 170 Summer St., Boston.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lilies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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Peter Henderson & Co.,
Bulbs for Autumn Planting.
35 and 37 Cortlandt St., New York.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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The E. G. Hill Co., Richmond, Ind.
Field Carnations.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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I. M. Raynor, Greenport, L. I., N. Y.
Field Grown Carnations.
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Hjalmar Hartmann & Co., Copenhagen, Denmark.
Carnation Comtesse Knuth.
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August Gaedeke & Co., Nashua, N. H.
Carnations, Field Grown.

W. C. Stickel, Lexington, Mass.

CARNATIONS—Continued

5000 Field-grown Carnation Plants, No. 1 stock; White and Pink Enchantress, White and Pink Lawson, Lady Bountiful, White Perfection, Victory, H. Fenn, \$5.00 per 100. R. Engelmann, Pittsfield, Mass.

BEST YELLOW CARNATIONS in the market. Canary Bird, 1000 surplus, large field plants \$2.50 per doz., \$12.00 per 100; not more than 100 sold to any one. Every retailer should have a few. Queen Louise, Harlowarden, P. Imperial, Patten, Enchantress, White Enchantress, at \$6.00 per 100. Henry Schrade, Saratoga Springs, N. Y.

CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
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Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.
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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUSTOM HOUSE BROKERS

Fredk. H. Griffin, 88 Broad St., Boston.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN.

R. & J. Farquhar & Co., Boston.
Giant Strain.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann,
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- John Scott, Brooklyn, N. Y.
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- W. B. Whittier & Co., South Framingham, Mass.
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- H. H. Barrows & Son, Whitman, Mass. Nephrolepis Magnifica.
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- John Scott, Brooklyn, N. Y.
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- Frank Oechslein, 2572 W. Adams St., Chicago.
Ferns for Dishes.
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- The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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- Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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- The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
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- Jardiniers Ferns, 6-7 best varieties, \$3.50 per 100; \$30.00 per 1000. Rose Hill Nurseries, New Rochelle, N. Y.
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- Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Sheep and Shredded Cattle Manure.
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- German Kali Works, 93 Nassau St., New York, N. Y.
Potash.

- Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.

FLORAL PHOTOGRAPHS

- Floral Photographs. Foley's. 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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- W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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- Reed & Keller, 122 W. 25th St., New York.
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- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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FLOWER POTS

- W. H. Ernest, 28th and M Sts., Washington, D. C.
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- A. H. Hews & Co., Cambridge, Mass.
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- Hillinger Bros., Ft. Edward, N. Y.
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- The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.
- Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

- Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.
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FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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- George Cotsonas & Co., 50 W. 28th St., New York.
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- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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- Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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- Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.
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- Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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- Metropolitan Material Co., 1892-1402 Metropolitan Ave., Brooklyn, N. Y.
Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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- GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- A. T. Stearns Lumber Co., Neponset, Boston.
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- King Construction Co., N. Tonawanda, New York.
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- Hitchings & Co., 1170 Broadway, New York.
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- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1339-63 Flushing Ave., Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION. Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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- Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

- Florists' Hall Asso. of America. J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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- George Cotsonas & Co., 50 W. 28th St., New York.
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HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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- The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
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HOME CORRESPONDENCE

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HOT-BED SASH

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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Lord & Burnham Co., 1133 Broadway, N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

- American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festivala Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Toss Co., Centerville, Ind.

INSECTICIDES.

- Nicotinide kills all greenhouse pests. P. R. Paethorpe Co., Eleventh St., Owensboro, Ky.
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- Stumpp & Walter Co., 50 Barclay St., New York.
Kiln-dried Tobacco Dust.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

Bowker Insecticide Co., Boston, Mass.
Insect Destroying Preparations.

Phila. Insecticide Co., 6117 Main St.,
Germantown, Pa.

Pullman's Insect and Worm Destroyer:
Nicotine.
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Eastern Chemical Co., Pittsburg St., Boston.
"IMP" Soap Spray.

Hammond's Paint & Slug Shot Works,
Fishkill, N. Y.
Grape Dust.

B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

T. C. Thurlow & Co., W. Newbury, Mass.
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JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.

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MASTICA

F. O. Pierce Co., 12 W. Broadway, New
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NEW SPAWN

Wm. Elliott & Sons, 42 Vesey St., New
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

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NURSERY STOCK

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American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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New England Nurseries, Inc., Bedford,
Mass.

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W. B. Whittier & Co.,
South Framingham, Mass.

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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordenez Bros., Madison, N. J., Box 106.
C. Lablata: D. Biglbium Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts.,
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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Geo. Wittbold Co., 1637 Buckingham Place,
Chicago.
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John Scott, Brooklyn, N. Y.
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PANDANUS

A. L. Miller, Jamaica, opp. Schenck Av.,
Brooklyn, N. Y.
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PANSY SEED

John Gerard, New Britain, Conn.
Giant Pansy Seed.

A. T. Boddington, 342 W. 14th St.,
New York.
Giant Pansies.

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The best Giant Pansy seed. Send for
leaflet. Chas. Frost, Kenilworth, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.
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The E. G. Hill Co., Richmond, Ind.
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T. C. Thurlow & Co., W. Newbury, Mass.
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Peonies. Finest cut flower varieties
grown. First Prize White, \$2.00 per 10;
\$17.50 per 100. First Prize Pink, \$1.25
per 10; \$10.00 per 100. First Prize Red,
\$1.50 per 10; \$12.00 per 100. Place your
order at once; stock will be reserved for
you. 100 other varieties to offer, write
for list. Wagner Park Conservatories,
Sidney, Ohio.

Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfield, Westpoint, Nebr.

PHLOXES.

T. C. Thurlow & Co., W. Newbury, Mass.
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**PHOTOGRAPHS; DESIGNING; IL-
LUSTRATING**

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Foley Mfg. Co., between Western Ave. and
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St.,
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Iron Pipe.
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ropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinensis.
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Chinese Primulas.

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Primula chinensis, 9 colors mixed, 2
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

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Waban Rose Conservatories, Natick, Mass.
White Killarney Rose.

The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

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Southern Wild Smilax.
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Smilax, strong, 2½-in., \$1.50 per 100;
\$10.00 per 1000. Cash please. Wm.
Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

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Deming Spray Pump.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
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DURING RECESS.

Florists' and Gardeners' Club of R. I.

That echo of song and merriment wafted across the summer sea, that aroma of clam bake and chowder permeating the atmosphere of Narragansett Bay from Field's Point to quaint old Pawtuxet, on Tuesday, 24th inst., afternoon and evening—who could mistake its meaning? Yes, you guessed right the very first time—the Florists' and Gardeners' Club of Rhode Island on their annual outing. Everything was just right—the weather, the water, the trim little launch—and everybody was happy. There was a delightful cruise down the bay and then a landing at Field's Point with appetites well sharpened for the toothsome clam bake and all that goes with it. After that, a moonlight sail and a return to Providence, everybody full of the recollection of a good time. There were Macnair, the president; the Appletons, Wm. and Eugene; Chappell, Dillon, Sweeney, Hazard, Hartstra, McCarron, McManus, Hockey and Leach and other lusty members of the floral fraternity of the Nutmeg State, and they had Stewart from Boston as a guest. Do we need to say more?

HORTICULTURAL INSTRUCTION.

To enable those who cannot attend regular schools and colleges to secure an education in horticulture, agriculture, etc., the Home Correspondence School, of Springfield, Mass., has prepared excellent courses which teach with great thoroughness all these branches.

The courses are prepared and taught by experienced, well-known instructors and anyone completely mastering the subjects taught will secure a good grounding in the fundamentals of these branches.

Anyone writing to the Home Correspondence School and mentioning HORTICULTURE will promptly receive a copy of their catalogue.

News of the Clubs and Societies

NORTH SHORE HORTICULTURAL SOCIETY.

A magnificent exhibition by this Society is on at Manchester, Mass., as we go to press. The special prizes have been awarded as follows:

Collection of annuals and flowers from seeds planted the present season; G. R. White silver cup, to Mrs. James McMillan, gardener Fred Brasch.

Group of foliage and flowering plants, not to exceed 100 sq. ft. floor space; Lord & Burnham Co. gold medal, to Mrs. Lester Leland, gardener Eric Wetterlow.

Asters; H. E. Fiske Seed Co. prize; 1st, A. M. Pattillio; 2d, T. J. Coolidge, gardener P. Sanborn.

White flowers in variety; Elsinæ's prize; 1st, G. E. Cabot; 2d, W. Swan.

Dahlias, all classes, A. H. Hews & Co. prize; 1st, Mrs. G. M. Lane, gardener Herbert Shaw; 2d, Mrs. J. McMillan.

Perennial phlox, six vases, 6 varieties; Merrill prize; 1st, Mrs. J. McMillan; 2d, W. Shaw.

Table of flowers by ladies only; Morley & Flatley gold and silver medals; 1st, Mrs. George E. Cabot; 2d, Miss A. G. Thayer.

Twelve varieties, to include Breck's Double Centaurea and Concord aster; Breck prize; to Y. Abbott.

Hardy perennials, 12 vases; Roberts & Hoare, gold medal to Mrs. H. L. Higginson, gardener J. Scott; silver medal to Miss A. G. Thayer.

Largest collection of hardy perennials named; Manning medal to W. Swan.

Six Nephrolepis; Dreer prize; W. Swan, 1st and 2d.

Lilies; T. J. Grey Co. prize; to W. Swan.

Zinnias; T. J. Grey Co. prize; to Mrs. Jas. McMillan.

Tuberous begonias; Bullock Bros.' prize; to Mrs. Lester Leland.

Largest collection of vegetables; Mrs. Philip Dexter silver cup; to Mrs. Gordon Abbott.

Quincy Market sweet corn; Schlegel & Fottler Co. prize; to T. J. Coolidge.

Largest pumpkin or squash; Fiske Seed Co. prize; to Philip Dexter.

Red Cross tomato; Schlegel & Fottler Co. prize; to W. Swan.

Collection of 20 varieties, including salads; Farquhar silver cup; to Mrs. E. S. Grew.

Honorable mention to Mrs. E. S. Grew for group of foliage and flowering plants, ferns and summer flowering chrysanthemums Carrie; R. & J. Farquhar & Co., for herbaceous perennials; W. W. Rawson & Co., dahlias and gladioli; Certificate of Merit to Mrs. Whipple for two vases of asters.

AMERICAN CARNATION SOCIETY.

The American Carnation Society held a meeting at Cincinnati on Thursday afternoon, August 19. The program for the Pittsburg convention was outlined, and the premium list revised. There was considerable discussion of the proposition of a combined meeting of the Carnation and Rose Societies.

MASSACHUSETTS HORTICULTURAL SOCIETY.

At the annual August exhibition, Saturday and Sunday, August 21 and 22, the much discussed Wonderberry from Mrs. E. M. Gill and Solanum Nigrum from Robert Cameron, Harvard Botanic Garden, were shown side by side. Nobody was able to detect any difference except that the latter was much more prolific. The show was excellent throughout. R. & J. Farquhar & Co. were again at the front with a gigantic display of hardy herbaceous flowers and great masses of lilies in several species, including some new ones. Another showy exhibit was that by B. Hammond Tracy, consisting of gladioli in not less than one hundred varieties. A table set with china, etc., illustrating how gladioli may be used in table decorations, was a prime attraction. The Bellevue Nurseries were represented by a fine collection of hardy herbaceous flowers and Old Town Nurseries had a display of similar nature. Mrs. J. L. Gardner with border perennials, F. J. Rea, T. C. Thurlow and Wm. Whitman, with superb phloxes; W. W. Rawson with dahlias, etc., were also among the prominent contributors. China asters were well shown by Wm. Whitman and others. The fruit and vegetable displays were superb; Black Beauty and Imperial New York egg plants from W. J. Clemson, were pronounced the finest specimens ever seen by the committee. Honorable mention for Hohenzollern asters was awarded to Mrs. Alvin Fuller, for display of H. T. roses to R. & J. Farquhar & Co., for display of dahlias to W. W. Rawson & Co., and for Gladiolus Faust to B. Hammond Tracy. First class certificates of merit were given to W. W. Rawson & Co., for Gladiolus Wm. Steinhausen, Gladiolus Mrs. Frank Pendleton and Gladiolus Hohenstaufen; B. Hammond Tracy was awarded a silver medal for artistic display of gladiolus.

LENOX HORTICULTURAL SOCIETY.

At the exhibition of annuals and perennials on August 12, at Lenox Town Hall, Miss Adele Kneeland, gardener H. Schmeiske, was the leading prize winner in the phlox exhibit, showing 38 varieties including Charles Darwin, Huxley, Hermione, etc. There was an unusual showing of sweet peas for the season, the first prize going to Mrs. John Sloane, gardener A. J. Loveless. Mrs. J. E. Alexander, gardener W. Jack, won first for basket of sweet peas. Other prize winners were Charles Lanier, gardener A. H. Wingett; Miss H. Myer, Mrs. Robt. Winthrop, gardener S. Carlquist; Morris K. Jesup, gardener John Donohue; George H. Morgan, Mrs. Edith R. Wharton, gardener M. T. Reynolds. There was a splendid showing of fruit and vegetables. The judges were Harry Allen and James Blair of New York.

The chrysanthemum show will be held on October 26-27.

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RAILROAD GARDENERS' CONVENTION.

The third annual convention of the American Association of Railroad Gardeners convened in Horticultural Hall, Philadelphia, on the morning of August 24th. In the absence of President Hirsch, J. S. Butterfield of the Missouri Pacific was called to the chair. The secretary of the association, George B. Moulder, of the Illinois Central, made an address, outlining the objects and history of the association. A lengthy discussion on the voting privileges of members was taken part in by Messrs. French, Dunlap, McCauley and others. The question was finally disposed of on motion—one man, one vote—irrespective of railroad. John Westcott extended a welcome on behalf of Philadelphia, the Pennsylvania Horticultural Society, and the Florists' Club. In the afternoon an inspection trip over the Reading R. R., in charge of Albert C. Huebner, in the absence of his father through sickness, was taken by way of Norristown and Lansdale to Trenton Junction, which was much enjoyed. William Kleinheinz, a close personal friend of Mr. Huebner, assisted in doing the honors of the occasion which wound up with a dinner at Ostendorff's as the guests of Mr. Huebner. The evening meeting took place at the Florists' Club quarters, at which many able papers were discussed, particulars of which we will give later. Among those present and speaking were:

C. J. Andrews, P. R. R., Morton, Pa.; J. A. Byrne, B. & O., Relay, Md.; Patrick Foy, Norfolk & Western; G. E. Preston, Illinois Central; J. Gipner, Michigan Central, Niles, Mich.; F. W. Vail, Central of N. J., Dunellen, N. J.; C. H. Tritschler, Nashville; E. Engelmann, P. R. R., J. S. Butterfield, Mo. Pac.; V. Wickler and Mrs. Wickler, Ills. Central, Freeport, Ills.; Joseph Carson, Main Line Div., P. R. R.; David C. Rose, Md. Div., P. R. R.; Jules Girtanner, N. Y. Div., P. R. R.; R. J. Rice, Michigan Central; N. Stewart Dunlap, Can. Pac., Montreal; Wm. A. Kellar, Ills. Central, Louisville, Ky.; M. C. Allison, Del. & Hudson, Green Island, N. Y.; J. V. Wingert, C. V. R. R., Chambersburg, Pa.; Mr. Martin, Nashville, Tenn.

The following officers were elected for ensuing year: George B. Moulder of Illinois Central R. R., Chicago, president; Patrick Foy, Norfolk and Western R. R., Roanoke, Va., vice-president; J. S. Butterfield, secretary and treasurer. After the executive business, evening session of August 24, was concluded several interesting papers were read on subjects connected with the objects of the association. The paper by E. A. Richardson on the "Ideal Railroad Gardener," read by G. J. Andrews, was listened to with great interest as it gave a clear idea of the executive ability and personal qualities needed in the man who must interest both the public and the railroad in the making of "a beautiful gateway into each community." Other

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

WANTED—A good grower of roses, carnations, chrysanthemums and potted plants in a commercial establishment. Good position to the right man. J. M. Ward & Co., Peabody, Mass.

SITUATIONS WANTED

WANTED—Position as superintendent of a country estate or farm. Long experience in the culture of fruits, flowers, vegetables, and general farm crops; also in the care of trees, shrubs, lawns, avenues, cattle and poultry. Highest references. Address Experience, care of HORTICULTURE.

SITUATION WANTED—Have had 14 years' experience; first-class greenhouse man; grown all kinds of cut flowers and plants; good propagator; reliable and sober. Address D. M., care J. Tomilgas, 47 Howard St., E. Braintree, Mass.

SITUATION WANTED—By competent grower; Swede; 26 years old; single; long experience in commercial and private place. Address Edw. Bergstrom, 10 Urban St., East Lynn, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

BOILER FOR SALE: 3 ft. diameter, 11 ft. long. Good bargain for greenhouse boiler. For particulars address "Engineer," 11 Humphreys St., Dorchester, Boston, Mass.

FOR SALE—1-8 section Weathered boiler in good condition; nearly new. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

papers read were, "Effect of R. R. Gardening on the General Public," by H. S. Moulder; "Effect of R. R. Gardening on Employees," by J. A. Byrne and Joseph Carson, and a particularly interesting one on "Does R. R. Gardening Increase Business?" by N. Stewart Dunlop of the Canadian Pacific R. R., Montreal.

Wednesday morning the visitors took a trip over the P. R. R. lines as guests of P. R. R., E. A. Sterling, forester, in charge, and in the afternoon a boat trip to Riverton, N. J., as guests of the H. A. Dreer Corporation, W. A. Hoyle in charge. At 8 p. m., a session was held at the Florists' Club quarters in Horticultural Hall.

Thursday's program included a trip to Morrisville, Bucks Co., Pa., as guests of the P. R. R., E. A. Sterling in charge.

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

BAR HARBOR HORTICULTURAL SOCIETY.

The second annual flower show has passed into history with a remarkable success attending it. In the two days there was an attendance of about two thousand people. The grounds in the front and rear of the Arts Building were utilized for the exhibits in addition to the extensive hall room. Rivalry was keen. Mrs. Joseph Pulitzer, gardener W. E. Ekstrom, took the prize for the best individual exhibit with *Allamanda Hendersonii*, nine feet across, and *Allamanda Williamsii*, ten feet high. For best group of stove or decorative plants, John I. Kane, gardener K. McLean, and J. S. Kennedy, gardener W. T. Burton, were first and second respectively. William Miller of Mt. Desert Nurseries, showed some magnificent fuchsias. Among the other large prize winners were Mrs. E. C. Cushman, gardener John Remick; A. C. Gurney, gardener C. L. Shand; Louis B. McCagg, gardener Harrison Stiles; D. C. Blair, gardener Eugene Mitchell; George S. Robbins, gardener J. F. Bunker; J. W. Auchincloss, gardener W. Seaver; W. J. Schieffelin, gardener T. F. Anthony; A. M. Coates, gardener John Brown; Mrs. Edward Coles, gardener Edw. McGranagham; Geo. S. Bowdoin, gardener Bernard Morris; Mrs. J. T. Bowen, gardener A. E. Chilman; Edgar Scott, gardener A. Mitchell; Misses Morrill, gardener C. W. Heath; H. L. Eno, gardener W. T. Chandler; Mrs. John Harrison, gardener Washington Grant; Miss N. H. Dehone, gardener N. V. Wilson.

Among the exhibits not for competition were a fine collection of orchids and foliage plants from Julius Roehrs & Co.; gloxinias, fuchsias, N. Whitmani and a new N. Milleri from Mt. Desert Nurseries; gladioli from B. H. Tracy; dahlias from W. W. Rawson & Co., and a new double scarlet dahlia from C. L. Shand, to each of which a certificate of merit was awarded.

Robert Cameron was in charge of the arrangement of exhibits. D. Finlayson, T. D. Hatfield, E. O. Orpet, J. T. Clarke, W. N. Craig and A. P. Meredith were the judges.

The Mt. Desert Nurseries, George R. Dorr proprietor, gave a banquet to the visitors on Saturday evening, which about 100 attended. William Miller acted as toastmaster.

CLUB AND SOCIETY NOTES.

The annual flower show was held at Southampton, Mass., on August 13, with many fine exhibits by amateurs.

The flower carnival held at Addison, N. Y., on August 17, brought out a greater variety than ever before from the numerous gardens. The largest exhibits were of gladioli by Chas. Larrowe of Cohocton, and of sweet peas by E. A. Higgins of Avoca.

At a meeting of the executive committee of the Connecticut Horticultural Society on August 17, President Huss announced the offer of a prize of \$25 from A. T. Boddington for best collection of vegetables, and a silver medal from Stumpp & Walter Co., for best collection of dahlias at the coming dahlia show.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The club will hold its next field day at the Bay State Nurseries, North Abington, Mass., on September 11. Regular club meetings will resume on September 21. J. W. Duncan will be the speaker of the evening, his subject being, "Some Facts About the West." J. K. M. L. Farquhar will deliver a lecture on bulbs at the October meeting, with stereopticon views.

W. N. CRAIG, Sec.

"THE FIRST NEWS OF THE BIG MEETING."

Editor HORTICULTURE:

Dear Sir:—For the man who does something worth doing, better than the rest, I have a sincere admiration; whether it be ploughing a furrow, growing a tree, or making a paper for "live ones." And I want to send you a stranger's congratulations on getting to me and in the same way to others, the first news of the big meeting at Cincinnati. There are bigger ones, "but Oh, you Horticulture."

My personal congratulations and a hand-shake. That's all.

Yours truly,

JOHN WATSON,

Newark, N. Y.

OBITUARY.

Mrs. Robert George.

Mrs. Robert George, wife of Robert George, of the Storrs & Harrison Co., died on Aug. 13 at her home at Painesville, O. Mrs. George has been an invalid for some time, but through her lovable character and sympathetic personality had endeared every one to her and her funeral was largely attended. E. G. Hill of Richmond, who was a schoolmate of Mr. George, Adam Graham and Charles Hart of Cleveland were present at the last sad rites.

Mrs. Mary J. Shurtleff.

Mrs. Mary J., wife of Josiah B. Shurtleff, florist, of Revere, Mass., died on August 21, at her home on Cushman avenue, following an illness that lasted four months. Besides her husband she is survived by two sons, Josiah, Jr., and William H. Shurtleff of Revere, and one daughter.

Mrs. George H. Linsdale.

Mrs. Linsdale, widow of George H. Linsdale, who, until his death in June, 1908, was a familiar figure in the retail flower district of New York, died recently. She left two daughters.

Valentine Fox.

Valentine Fox, a native of Germany, who has resided in this country since 1855 and followed the occupation of gardener near Fort Wayne, Ind., died on Aug. 9 at the age of 69.

John Carson.

John Carson, a native of Ireland, died at his home in Chicago on Aug. 12, at the age of 79. He was a landscape gardener.

W. H. Wright.

W. H. Wright, a florist of Vicksburg, Miss., died on Aug. 10, aged 60. Two daughters and two sons survive him.

Do You Know APHINE ?

"COLLIER'S WEEKLY" says:

"Aphine has a future as wide and long as the United States."

The "FLORISTS' EXCHANGE" says:

"It is not very often that any new enterprise receives such an impetus at the very start as the newly exploited insecticide Aphine has. We have been told on what would seem to be the very best expert authority that this preparation is a very excellent thing."

The "FLORISTS' REVIEW" says:

"The demand for Aphine, the insect destroying discovery, is widespread. Its endorsement has been remarkable. An unsolicited editorial in Collier's Weekly is especially strong in its behalf, and Arthur Herrington, Albert M. Herr, Louis A. Noe, Brant-Hentz Flower Co., August Belmont, and the entomologists, J. B. Smith and E. B. Southwick have much to say as to its efficiency."

It Kills the Black Fly, Green Fly, White Fly, Red Fly, Thrip, Red Spider, Mealy Bug, Slugs, Caterpillars and White and Brown Scale.

To spray—Use 1 part Aphine to 40 parts water.

\$2.50 per gallon; \$1.00 per quart.

MANUFACTURED BY

Geo. E. Talmadge, Inc.
MADISON, N. J.

Descriptive Circular on Request.

A MAPLE TREE PEST.

There is an insect attacking maples that is fatal if left unchecked. It is known as the maple phenacoccus. Its presence is readily recognized by the characteristic whitish appearance of the bark, due to the presence of numerous small white oval cocoons of the male and also to the conspicuous woolly masses on the under sides of the leaves produced by groups of females. The species occurs only on hard maples and produces two or three generations annually.

It can be best controlled by thorough applications of such contact insecticides as a whale oil soap solution or a kerosene emulsion. This treatment would be more effective if given at the time when most of the minute, yellowish young are crawling. This latter must be determined by observations, since the dates vary considerably from year to year.

Kerosene emulsion may be used at the rate of one gallon to seven gallons of water, or whale oil soap at the rate of one pound to two gallons of water, while the foliage is on the trees. It can also be used in winter with some success, but double the strength may then be taken of either solution.

This scale insect is a native of Europe, and has no doubt been introduced into this country on nursery stock. It

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BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
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By far the
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1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

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THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

has been recognized in the United States for a number of years, and in some places is occasionally proving very destructive.

The writer treated trees of five shade tree owners last season, in June, while the insects were still in the egg stage. A little compressed air sprayer was used on the trees and the application was made to the trunk and larger branches with a scrub brush, as this is where the egg masses mostly harbor. Sometimes the bark will crack in large places on the trunk of trees and the insects will gather under the bark and a scrub brush is therefore a very effective implement.

SYLVANUS VAN AKEN,
Port Ewen, N. Y.

ADDENDA TO SWEET PEA REVIEW, 1909.

Howard M. Earl, manager for W. Atlee Burpee & Co., from whom much of the information contained in the article appearing in our issue of August 14 was obtained, writes under date of August 18 as follows:

In looking over some notes the other night I found I unintentionally failed to correct some wrong information that was given to me while in California, which was to the effect that "President Spencer" was the same as "America Spencer." I took an expert's opinion for this but upon investigating am advised by Mr. Burpee that the "President" is quite similar to our Senator Spencer to be introduced in 1910, but the color of the stripings and flakings is not so bright.

That Sweet Pea article of yours was fine. Some of the hyper-critical may criticize it but the meat was there.

We take pleasure in making the correction referred to above by Mr. Earl.

G. C. W.

PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

PRICE

1 lb.....	20c	25 lbs.....	\$1.50
5 lbs.....	35c	50 lbs.....	2.75
10 lbs.....	65c	100 lbs.....	5.00

NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphids, Green Fly and other greenhouse pests.

This solution is put up in
1/4 pt. cans...at 25c | 1 pt. cans...at \$ 1.40
1/2 pt. cans...at 50c | 1 qt. cans...at 2.75
3/4 pt. cans...at 90c | 1/2 gal. cans at 5.00
5 gal. ca s.....at 40.00

Salesmen Wanted Everywhere

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The Philadelphia Insecticide Co.
324 Queen Lane, Germantown, Phila., Pa.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

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Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

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31 Union Stock Yards CHICAGO

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Write to

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KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
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25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.00

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shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

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- 930,936. Lawn Trimmer. William Louden, Fairfield, Iowa.
930,428. Lawn Mower. Earl M. Stapleton, Cedarvale, Kans.
930,615. Receptacle for Flowers. Geo. Purdue, East Orange, N. J.
930,692. Pipe Coupling. Henry D. Robinson, Philadelphia, Pa.
930,696. Greenhouse Roof Construction. Nicholas J. Rupp, Chicago, Ill.
930,767. Lawn Sprinkler. Joseph Keene, Chicago, Ill.
930,893. Vacuum Valve for Heating Systems. Frank Shurtleff, Moline, Ill., assignor of one-half to Moline Vacuum Vapor Heating Company, a Corporation of Illinois.
930,984. Pipe Coupling. William McGrath and Edward J. Buckbee, Urbana, Ill.

GREENHOUSES BUILDING OR CONTEMPLATED.

- Bridgeton, N. J.—John Carman, one house.
Puyallup, Wash.—J. E. Friedley, one house.
San Francisco, Cal.—H. Plath, house, 20x150.
Troy, N. Y.—J. G. Barrett, house, 30x200.
Montpelier, Ind.—E. E. Stinson, additions.
Pittsfield, Ill.—Mrs. George Hansen, additions.
Red Bank, N. J.—C. W. Schneider, one house.
Lewiston, Ill.—Miss L. M. Davidson, one house.
Columbus, O.—U. S. A. Barracks, house 18x60.
Parsons, Kan.—Wirt Floral Co., house, 50x100.
Springfield, Mass.—N. F. Higgins, house, 28x100.

Iola, Kan.—Grant Bilbe, vegetable house, 24x127.

Manchester, N. H.—Harry Sanford, enlarging houses.

Milwaukee, Wis.—Eschrig & Kaufmann, range of houses.

Stockbridge, Mass.—S. W. Woodward estate, house, 25x125.

Toledo, O.—Krueger Bros., three carnation houses, each 30x256.

Minneapolis, Minn.—Hiawatha Gardens Co., two houses, each 28x115.

Birmingham, Ala.—W. W. Skews, two houses, one 20x100, one 20x150.

Binghamton, N. Y.—Geo. B. Grip-pen, one house; W. A. Eisenhart, improvements.

NEWS NOTES.

Exeter, N. H.—Wm. Toland succeeds J. R. Perkins as grower for W. S. Perkins.

Du Bois, Pa.—The greenhouse of George Mims was destroyed by fire on Aug. 16. The loss is estimated at \$10,000.

Orlando, Fla.—Dr. A. W. Morrill has resigned his position in the government service to accept the position of entomologist of the Arizona Horticultural Commission and of the Experiment Station. Arizona is just beginning to grow citrus fruits on a large scale and is believed to be entirely free from white fly and scale insects and hopes to remain so. Dr. Morrill has made an extensive study of these pests, and with Dr. Back of Florida has prepared a report that will be of great value when issued by the government about the end of the year.

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Price per crate	Price per crate
1500 s in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
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800 3 1/2 " " " 5.80	48 10 " " " 4.20
500 4 " " " 4.50	24 11 " " " 3.60
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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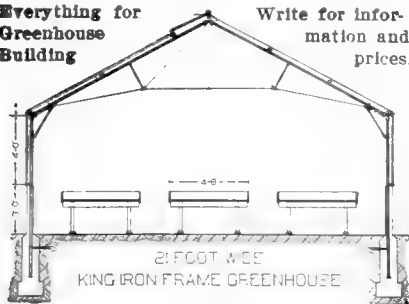
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Without posts.

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IRON GUTTERS AND EAVES.
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CYPRESS SASH BARS
82 feet or longer
HOT BED SASH
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THE ADVANCE MACHINE

A Connecticut florist writes us Aug. 10, "I cheerfully enclose check herewith to cover bill of July 15th. No difficulty whatever experienced in erecting the machines and am immensely pleased with the ease of operation." That sounds good. It is the easy erecting and the easy work after being up, together with a fair price, that brings us the orders. We only need a trial by you to make you our friend. Send for an estimate

The Advance Co.
RICHMOND, IND.

We can supply in any Size or Length and in Car Loads or any Quantity

PECKY CYPRESS

The Ideal Lumber for Greenhouse Benches

MOST LASTING—LEAST EXPENSIVE

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The FLORISTS' HAIL ASSOCIATION OF AMERICA, insuror of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

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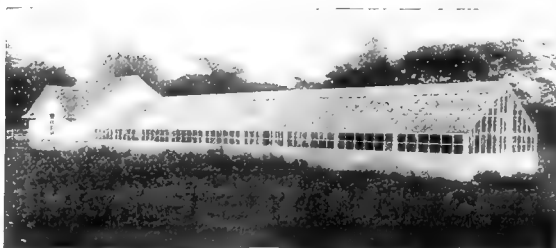
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HORTICULTURE

Vol. X SEPTEMBER 4, 1909 No. 10



VIEW IN FLOWER GARDEN
Estate of Mrs. B. B. Tuttle, Naugatuck, Conn.

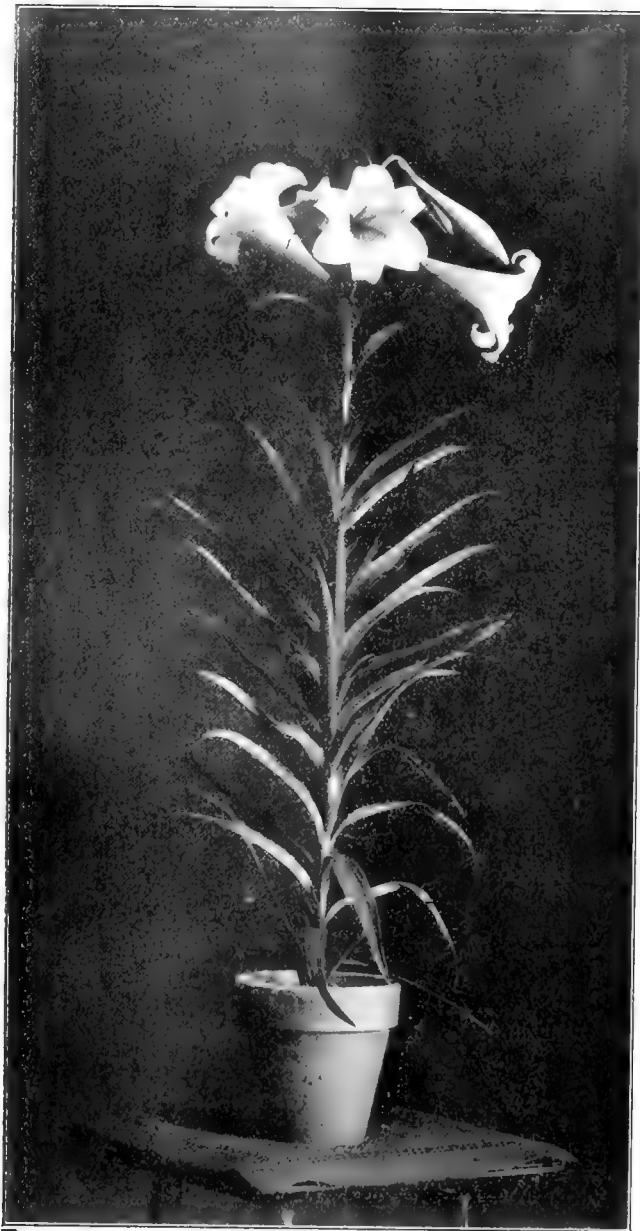
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Notes from the Arnold Arboretum

Of all the Poplars the most handsome in foliage is the new *Populus lasiocarpa* from Central China. A young plant is at the first sight hardly taken for a Poplar and may rival many of the ornamental foliage plants in beauty. Our plant is now about five feet high and covered to the base with close set very large leaves of bright green color marked beautifully with red veins and borne on stout bright red stalks. The leaves attain up to twelve inches in length and ten in width and are the largest of any Poplar; they are heart-shaped in outline and pointed, with closely serrate margin and the stalks are about four inches long. It has proved hardy in England, but has not yet been tried out of doors during the winter here. In its native habitat it grows into a tree from twenty to forty feet high.

Another new tree with handsome foliage is *Tetracetrion sinense* closely allied and very similar to *Cercidiphyllum japonicum* now well known in cultivation and appreciated for its fine and distinct foliage, but the former is easily distinguished by the leaves being alternate, not opposite as in the latter. They are ovate in outline and long pointed, with obtusely serrate margin, bright green above and whitish on the under surface, from three to four inches long and borne on slender stalks. The insignificant flowers appear with the young leaves in slender pendulous catkins from three to six inches in length. In its native country it attains a height of fifty feet. Like the preceding species it is yet to be tested here in regard to its hardiness.

The many species of *Rhamnus* in cultivation are generally not of great value as ornamental fruiting shrubs, since the berry-like fruits are usually dull black, though they are freely produced and of some effect in contrast with the green foliage or on the bare branches in winter. The species, however, which belong to the *Frangula*-group are handsomer, as the fruits turn red before they assume their final dark color and like *Rhamnus Frangula* look rather pretty for a short time, while the branches are studded with red and black fruits at the same time. Particularly handsome is in this respect the recently introduced *Rhamnus crenata* from Japan as the red color of the fruits lasts longer and is brighter than in the other species. It is an unarmed upright shrub with ovate-oblong finely serrate leaves from two to four inches long; the fruits which are preceded by insignificant greenish-white flowers appear in axillary short-stalked clusters along the branches and assume in August a bright red color changing later to purplish black. In many books and catalogues it is given as being in cultivation for a long time, but the shrub met with sometimes in gardens under the name of *Rh. crenata* is usually *Rh. dahurica* which differs very much in its spiny branches, in the fruits changing from green immediately to black, the narrower glossy leaves and the scaly winter buds, while *Rh. crenata* like *Rh. Frangula* has naked winter buds. *Rhamnus crenata* has proved perfectly hardy at the Arboretum.

Alfred Rehder.

European Horticulture

MUSEUM BOURGÆI

This composite, a native of the Caucasus, possesses grand foliage, and a flowershaft of 70 cm. in height and 16 cm. in diameter; and the seed was collected by Dr. Levier during his journey in that region, and sent to M. Correvon at Geneva. The doctor informed M. C. Sprenger, nurseryman of Naples, that the plant grows in limestone soil containing a layer of vegetable matter, at the margins of woodlands near Muri and Lentichi, and reaches a height of 9 feet, and the plant is of high decorative value. There exists a form named *integri-folium* now in bloom with a gentleman in Florence. M. Bourgæi is in flower during the months of June and July.

LADY GARDENERS

At the present time Switzerland has two horticultural schools, both in Niederlenz, whilst in Germany there have been established quite a dozen. The most of the "marriageable" ones search for and find their livelihood in small institutions, and estate gardens. Notwithstanding the fact that for thirty years the reclamation drum has been thumped vigorously, nothing as yet has been heard or observed at exhibitions of the actual efforts of our charming colleagues. Why is this? Surely because of the coyness of the male gardeners. These should, as soon as may be, conduct the pretty Paradise gardeners home and carry on housekeeping, changing about from the garden and the greenhouse, into the kitchen, and when it so far goes into the nursery. Then the journeyman and the serving maid question is solved at one and the same time; and the man has only then to care that he keeps the grip in his own hand.

THE "ENGLISCHER" PELARGONIUM IN GERMANY

The "show" or "Englischer" Pelargonium probably so called because of its introduction from England to Germany has, for a great number of years found favor in the latter country amongst all sorts of people, whereas in England its cultivation has waned greatly, and but few cultivators have the large collections of varieties that were once common in gardens of any pretensions. The original "show" varieties are supposed to have been derived from *P. hortulorum*, a Cape of Good Hope species introduced to Europe by Masson in 1794. Normally this species is white flowered, loose in habit, and having a long slender tube to the calyx, and long stalks to its deeply lobed leaves. Another progenitor of the "show" varieties appears to have been *enculatum* introduced to British gardens by the Earl of Portland in 1690. In the fancy or small flowered show pelargoniums, the first of the race was *P. Willoughbyanum*, which was bred from the ordinary varieties of the period—about 1835.

The German varieties of these show pelargoniums have been in recent years greatly improved in a variety of ways by Herr Carl Faiss, nurseryman at Feuerbach, Herr Eeubronner, and Herr Burger; and in compact-

ness of growth, size and brilliant coloring of the flowers leave but little to be desired. Colors are to be met with among the varieties brought out by these specialists that range from white, rose, brilliant scarlet, to deep lilac, and other minor tints.

Among the best of Faiss' last year's novelties are Grossherrogin, Hilda von Baden, Deutscher Ruhm, Schiller, Goethe and W. Hauff. A fine variety of the present year has appeared in Graf Ferdinand von Zeppelin; and Michael Buchner is not less beautiful. The color of the Graf Zeppelin is salmon-red, and it has equal-sized reddish blotches, bordered with scarlet. The flowers are of fine form, semi-double, and they form gigantic trusses. The habit is compact, and the flower trusses are raised well above the leaves. Illustrations taken from photographs which appear in "Die Gartenwelt" for August 7 of this and other varieties, afford good ideas of the value of these German varieties of the Pelargonium for decorative purposes. What is really required is a remontant habit of flowering, such as has really been obtained in Faiss' variety Ostergruss, which was shown at Mannheim horticultural show last year as a group plant, and was in bloom continually till late autumn. Another equally good perpetual flowering variety has yet to be raised, and caution is necessary to buyers, if they would escape disappointment; the more so, as Ostergruss is difficult to obtain seeds from, however carefully the flowers are pollinated.

Frederick Moore

Manganese in the Soil

Let no one confuse Manganese with Magnesium, the latter of which is found in Epsom Salts as we have explained before. These two have little in common except that they are both common as dirt, although in small quantities. Manganese is even less heard of than Magnesium although in a Norway spruce it forms forty per cent. of the ash of the bark. It is an element not unlike iron, a large use of it being in the manufacture of steel. A common compound is "Black Oxide of Manganese," costing a few cents per pound while other combinations are boiled with oil to make a quick dryer, hence "raw" and "boiled" linseed oil. Found in the soil usually in a not greater proportion than one or two parts per thousand.

From time to time many and various experiments have been worked with Manganese. Like many chemicals it is a stimulus in minute quantities and its resemblance to iron makes interesting chemical possibilities, although it has been shown to be injurious in certain amounts also. The combinations that this element makes are usually hard to dissolve in water which is quite different from the combinations of Soda or Potash or Magnesium. The excuse for further consideration at this time of Manganese is the newly erected landmark—the Manganese Monument, a recent stride in the chemistry of soils.

To see our monument we will have to ship across to Hawaii where Mr. Kelley will take us in hand. Out there towards the setting sun they raise pineapples—or "Pines," as they call them. Ask California or Florida if they don't. If the pines won't raise, or get a bilious yellow instead of a bright green, there is trouble, lots of

it, and the place is full of Japs, Chinks and Brownies. Then they go around looking for a soil doctor and they get sent to Kelley as representing the paternal Uncle Sam, and he takes the trouble, the pineapple, and the soil into the laboratory and slams the door so that he can remove his outer garments, for the climate is warm. Then he does what any chemist "or other fellow" does in parlous time, he tries to find out by the printed word what all other chemists, all over the world, ever, ever said, did or thought about yellow pines or soil, yellow pines and soil, good pines and all kinds of soil, and bad soil and all kinds of pines. What did they say? and what did he find? Nothing, except, Ah! yes—and here's where Kelley comes in. Out there soils are good or bad for pines as they are red or black. "Why?" says Kelley, and no one knows, so he whoops up the cookery, gets the smells acoming, and finds out that both soils have all the plant food and the pines should get all the good that their hard sweet hearts could possibly desire. What ails the soil? They have been limed, cultivated and molly coddled in all known ways to make them fertile, but the pines still go yellow on the black soil. Feminine-like, perhaps, they don't care for mourning colors. If so, why do they love the red? No answer forthcoming. Kelley puts on the kettle once more, and this time he finds from ten to fifty times as much of a certain element in one soil as in the other. That element is Manganese. The black soils—bad for the pines—have five per cent. of the Oxide, and so down to the good soils which have one-third of one per cent. People in the United States need not worry much about Manganese, for Hawaii is a land of volcanic origin and such soils are very rare on the mainland of this country. Do you now see the monument growing up?

Kelley has had hundreds of analyses made, he has looked up various experiments with Manganese, down from the rice paddies of Japan to the fair waving wheat plots in Woburn, Old England, but he has not yet quite finished the monument. Those pines still have a lap on him. They still have a few secrets, but not for long.

Here's to Kelley and his likes; would we had hundreds of his kind right here at home, yes, and under warm glass in the winter time if it's only a question of climate.

Rudley M. Bray

View in Flower Garden

Estate of Mrs. B. B. Tuttle, Naugatuck, Conn.

The cover shows a partial view of the flower garden of Mrs. B. B. Tuttle in Naugatuck, Conn., the center of attraction being two nice specimen rhododendrons, the one to the left standing nine feet high and having a diameter of from twelve to fourteen feet, the one to the right standing six feet high by nine feet in diameter.

While the rhododendrons in themselves are beautiful, it is to be regretted that they are very much out of place, being planted in formal flower beds. Whoever planted them evidently did not think that they would ever attain such a size, and now it would be foolish to attempt to move them, at least the larger of the two.

M. J. Ope

Natural Manures

The manure question is one of the most important in our trade and yet but few florists pay economic attention to it.

The Continental European knows fully the value of natural manures and, although he recognizes the value of fertilizers, where nothing else is obtainable, he searches very closely before spending hundreds of dollars for the latter. The greatest objection to natural manure comes from the employe, who complains of the unpleasant smells and the fear of contagious diseases, but after 17 years close study of the question and handling of every known natural manure, I believe that this latter is more healthy than any "patent" one produced and I regret to say that my impression of the average American and English employe points to more consideration for his own comfort, than that of the plants of which he has charge.

In whatever trade one engages, competition means production at as cheap figure as possible and, as labor ought to be the last to be cut down, other expenses of production should be well considered. Therefore, for the purpose of manuring, divide your plants into two classes, viz., flowering and foliage. Then let us say you have access to some of the following manures: horse, cow and bird manure, night soil, coal (bituminous), blood, fish offal and cut grass.

Of course, in many places none of these are obtainable, or even allowed to accumulate, still the young florist who starts outside city or town with small means, will be able to get some of the ingredients mentioned and he will, with the following tables for mixing, find himself quite a sum ahead at the year's end.

FOR FLOWERING PLANTS:

- I. One bushel: $1\frac{1}{2}$ part horse manure
 $\frac{3}{4}$ part cow manure
 $\frac{3}{4}$ part night soil
 in 50 gallons water; soak one week; make 300 gallons.
- II. One bushel: 1 part blood
 1 part fish offal
 in 50 gallons water; soak two weeks; make 500 gallons.
- III. $\frac{1}{2}$ bushel horse manure
 3 bushels cut grass from lawns
 in 50 gallons water; soak one week; make 200 gallons.
- IIII. 1 peck bird manure
 in 50 gallons water; soak one week; no further dilution.

FOR FOLIAGE PLANTS EXCLUSIVE OF FERNS:

- One bushel: $1\frac{1}{4}$ part cow manure
 $1\frac{1}{4}$ part night soil
 $\frac{1}{2}$ part soot
 in 50 gallons water; soak one week; make 500 gallons.

FOR FERNS:

- $\frac{1}{2}$ bushel: 1 part cow manure
 1 part soot
 in 50 gallons water; soak one week; make 500 gallons.

The following rules should be observed:

Set one day apart for manuring and let nothing interfere with it.

Do not manure when plant is dry. Might as well use sulphuric acid.

Keep fluid off leaves and flowers.

No manure more than six months old should be used for liquid purposes.

Allow no wood shaving in stacking as these will cause fungus.

Stir well to obtain same consistency in each gallon.

Sieve all manure from stockbarrel.

Allow room in stockbarrel for fomentation.

Where, as in private greenhouses, plants are kept

from year to year, a watering with lime water (1 to 50 gals. water) every three months should be given.

For those who can not obtain any of the above mentioned manures, it will be necessary to find something known to contain potassium, phosphorus and nitrogen and I think they will find in bone meal as perfect a fertilizer as can be got. Bone meal contains both phosphate and nitrogen, and as long as the soil is not allowed to get dry, it can be used in large quantities.

Nitrate of soda produces strong leaf and stem growth and should be given as fluid; 50-1 being a safe solution.

Sheep manure is, in pure state, one of the best, but of the many bags I have used, all have contained too large an amount of foreign matter, viz., straw and dust, as well as other animal manures. If pure, 1 lb. to 1 gallon of water, soaked for one week, will make 30 gallons.

Wood ash contains all that is necessary for plant life, but it is in my opinion one of the most tricky fertilizers, as one never knows the wood from which the ashes have been produced. I have seen so much damage done, through injudicious application, that I only use it if nothing else can be got.

A fertilizer rarely seen in the U. S. is Clay's, and I presume the cost at first sight seems prohibitive, but the quantity used need be so small to produce a splendid effect, that the 112 lb. bag goes farther than 6 to 7 bags of other fertilizers of the patent kind. I have used it now for ten years and for exhibition plants it is indispensable.

A. PENGEL.

Rehmannia angulata

I grew this interesting plant four years ago with more or less success, and some disappointment. It is truly beautiful and the colored plate, supplement to HORTICULTURE, Aug. 14th, is a just representation of both save the latter is a better pink and the plant, I believe, is of a dwarfer habit. It is surprising to see such large handsome individual flowers on such a comparative slender stem.

The seed was sown early in spring and the plants were set in border about the middle of June and flowered from August until early fall. The plants were very free growing after the seedlings were potted up but like many herbaceous plants it had a weedy appearance though this was overcome somewhat by the attractive flowers; these were fragile, of soft texture and rains and winds were disastrous.

As to propagation, the plant produces seed in abundance and sends up innumerable offsets which if potted and wintered in a frame with slight protection make strong plants for the following season; but as a pot plant in flower I was most disappointed and I would advise those who wish to grow it as such to go slowly, for if there is a "white-fly" in the neighborhood the plants will prove the greatest attraction and there is no cure for them indoors or out.



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Our friends
 the birds

We commend to every reader of HORTICULTURE, and particularly to the women and children, the forcible presentation by Mr. Wm. L. Finley, on another page

of this paper of the value of our wild birds to agriculture and horticulture and the effect of the iniquitous slaughter of these creatures which is being carried on continuously to gratify the demands of women for their wings and plumes. We can say nothing to illumine or strengthen Mr. Finley's plea; we only ask that you read it attentively and thoughtfully. Apart from the humane aspects of such a question, it does seem to us that the horticulturists, and the horticulturists' wives and

daughters should be among the most active defenders of their feathered allies and the foremost in any crusade to put a stop to this shameful destruction which is crippling their industry and for which no reasonable justification can be advanced.

"Space writers'
 chaff"

"Of all the plagues, good Heaven thy
 wrath can send,
 Save, save, oh save me from the candid friend!"

The above lines, written about a hundred years ago by George Canning, have no doubt, fitted more than once into the experience of us all. At last, even that much-discussed man, Luther Burbank, has found it necessary to come out with a repudiation of the toadies who have sickened the horticultural world with their drivel about the man and his work ever since it became known that a sum of money had come into his control. Mr. Burbank is now quoted as saying:

"The extravagant estimates of my work has been the bane of my existence. There has been so much written about me by sensational writers who know nothing either of me or my work. I am not responsible for all these things and anyone with any knowledge of horticulture could discern at once that much of the stuff sent out is nothing but space writers' chaff."

It is greatly to be regretted that Mr. Burbank did not speak out in this fashion long ago. Hundreds of horticultural people, in fullest sympathy with anyone engaged in a sincere effort to develop improved varieties of horticultural products, looked for him to call a halt to this fool talk which invited the ridicule of the whole world. "Better late than never," though, and Burbank stock ought now to take a decided upward turn in many quarters. Wonder where that great luminary, the "Council of Horticulture" stands on the Burbank question.

"A lion
 in the path"

"Get jealousy out of your system."—
 From W. F. Kasting's speech at Cincinnati.

Our friend Kasting has said a good many things in his trite outspoken way but never anything more tersely expressive and to the point than this bit of advice to the retail florists, whose participation in the next National Flower Show was being urged. It is commonly asserted that the unwillingness to place themselves in a position where there is possibility of someone surpassing them, is the main motive in deterring the workers in flowers from displaying their art in public exhibitions. Even where assurance is given that competitive awards will not be made the reluctance still continues, apparently from the fear that they may be placed in the shade by the proficiency in public of those whom they have been disposed to look upon as their inferiors. Regrettable this all is and, in its general effect, a serious hindrance and injury to the advancement of the floral decorators' art which, being thus deprived of the opportunities for comparison and public demonstration which other lines of fine industry have found so helpful, stands today as showing the least degree of progress of all the departments of horticulture during the quarter century since the great awakening of which the organization of the S. A. F. was the signal. More elegant work, it is true, is being turned out by the retail trade of the present day than twenty-five years ago, but it is made possible only by the more perfect product of the growers and the more appropriate and artistic accessories provided by the supply dealers, neither of which interests would have attained anything like their present high standards had they worked in individual isolation and shrunk from the wit-sharpening discipline and irresistible inspiration of the exhibition hall.

THE VALUE OF WILD BIRDS IN FIELD AND FOREST.

An Address Before the National Association
Congress at Spokane, Wash., by
William L. Finley

Our Real Wealth.

"We all know that the real wealth of the country is based upon agriculture and horticulture. Without the help of our wild birds, farming would be impossible. No farm hands can accomplish the work intrusted to the birds. Wild birds of orchard, field, and forest are Nature's check upon the increase of insect life. With the great handicap of bird destruction in our present day, the loss from insect and rodent pests in the United States the past year is estimated at \$800,000,000.

The Plague of Insects.

"According to a recent report of the government, insects alone cause an annual loss to the trees of the country estimated at over a hundred million dollars. On the oak alone 400 species of insects which are sought and consumed by the birds of the forest, prey constantly, the experts of the Biological Survey have discovered. On the willow 186 such species constantly attempt its destruction, on the pine 165, on the hickory 170, on the birch 105 and on the elm 80. Careful analysis of the stomachs of thousands of wood-peckers, titmice, creepers, kinglets, wood warblers, wrens, fly-catchers, swallows, nut hatches and other birds of the woods show that their constant labor is to consume just these devastating insects.

What Birds Consume.

"Birds police the earth and air and without their services the farmer would be helpless. Larks, wrens and thrushes search the ground for grubs and insects. The food of the meadow lark consists of 75 per cent. of injurious insects and 12 per cent. of weed seed. Sparrows, finches and quail eat a large amount of weed seed. Examinations by Professor F. E. L. Beal of the Biological Survey of the Department of Agriculture show that a single tree sparrow will eat a quarter of an ounce of weed seed daily. In a state the size of Iowa, tree sparrows alone will consume more than eight hundred tons of weed seed annually.

Nuthatches and chickadees scan every part of the trunks and limbs of trees for insect eggs. In a day's time a chickadee has been known to eat hundreds of insect eggs and worms that are very harmful to our trees and vegetables. Warblers and vireos hunt the leaves and buds for moths and millers. Flycatchers, swallows and night hawks are busy day and night catching flies that bother men and beasts. Hawks and owls are working silently in daylight and darkness to catch moles, mice, gophers and squirrels.

The Farmers' Friend.

"The valuable service which birds render about the farm is shown most strikingly in places where insects and rodents have become so numerous as to destroy crops. Birds collect in such places where food is abundant and by giving their whole time to hunting and eating these insects, they become the most valuable assistants the farmer

can have. To illustrate: A few years ago a large apple orchard in central Illinois was attacked by canker worms. Professor S. A. Forbes spent two seasons in this locality studying bird life. He examined the stomachs of 36 different species of birds and found that 72 per cent. of these were eating canker worms. Out of a flock of 35 cedar waxwings, seven were killed and examined. With the exception of a few small beetles, these birds were living entirely on canker worms. By actual count, he found 70 to 101 worms in the stomachs of each one of these birds. If we assume that each waxwing ate 100 worms a day, which is a very low estimate, the flock of 30 were destroying 3,000 a day.

Blackbirds or Locusts?

"A number of years ago blackbirds were exceedingly abundant through eastern Nebraska. They were so plentiful that the farmers believed they were damaging crops. They began poisoning the birds. A single grain of corn soaked in strychnine was enough to kill a blackbird. In the years that followed, great numbers of these and other birds were destroyed during the spring and fall. At the same time thousands of quail, prairie chickens and other game birds were killed in every county to supply the market. As the birds began to disappear, swarms of locusts took their place. These insects hatched out in countless numbers and began devastating crops. Few fields of grain escaped damage. Many were entirely destroyed. Where blackbirds, quail, prairie chickens, plover and other birds remained, they took to living entirely on locusts. In such localities fair crops were secured solely through the assistance of the birds.

"When the Mormons first settled in Utah, black crickets came in great myriads from the mountains and would have destroyed the crops had it not been for the gulls that came by the hundreds and thousands from the surrounding lakes. At that time the settlers at Salt Lake regarded the advent of the birds as a heaven-sent miracle, and ever since the gull has been esteemed almost as a sacred bird by the Mormons. About the beet and alfalfa fields when they are being irrigated the gulls still collect and feed largely on the field-mice that are so destructive.

An Awful Slaughter.

"Years ago a hunter along the Massachusetts coast shot some terns and sent the plumage to a New York milliner. The tern is a bird that is sometimes called the sea-swallow or summer gull. Its plumage is as delicate as its flight is graceful. The long pointed wings and tails of these birds at once became stylish. 'Send more tern wings. We can pay cash for all you forward,' the telegram ran. Dealers in plumage immediately issued circulars asking for large quantities of terns and sea-gulls. The demand kept running ahead of the supply. Up and down the Atlantic and Pacific coasts and through the country the word went forth. Never had there been such a slaughter of birds in this country. Thousands of terns were killed along the coast of Massachusetts and at other breeding places. At Cobb's Island, Virginia, one of the baymen said 1,400 terns were killed in a single day and

10,000 were shot during the summer. The destruction at other places was equally great. In two or three years the killing of these breeding birds had its effect. These well-known bird colonies were a thing of the past.

"One can get an idea of the slaughter of one species of tern by glancing at the records of the feather sale at the Commercial Sales Rooms in London on April 11, 1908, when one shipment of over 14,000 sooty terns was catalogued. Again at the sale on June 10, 15,500 more skins of this same species were on sale. This means that professional plume hunters had found and raided new breeding places of this species and practically every bird had been killed.

For Women's Fancy.

"Years ago great flocks of gulls and terns added life and interest to our sandy shores. White herons flocked through swamps and everglades of the southern states; the great tule marshes of the West were white with the nesting multitude. In those halcyon days men would have scoffed if you had said these birds, so strong in numbers, could have been destroyed. They were so harmless to mankind that at that time no one could think of a cause that might lead to their extermination. There was no cause except their marvelous beauty. Yet in less than a quarter of a century some of the plume birds have all but taken their places with vanished races.

"Although the decrease of bird numbers has been so marked in our country, it has been even more deplorable in other lands. The demands for plumage of wild birds have been growing. All through the tropical countries natives were eagerly looking for an easy means of livelihood. Killing all kinds of birds has opened the way. Thousands of Indians and negroes have been supplied with guns and ammunition by traders. Everywhere they are roaming through the forests and swamps, seeking the last individuals of the species that are left. Many a rare and beautiful bird has been slaughtered beyond recovery. As the plumage of these birds has become scarce, prices have scored higher and higher. But the money has been ready. So the natives have sought further and harder to lay low the last plume bearer.

What of the Future?

"What will come of it all, this slaughter of the birds? If these plumes were only answering some real need,—but they are for decoration only. As yet no person has ever offered a single logical reason for this destruction, yet there are many reasons against it. The prosperity of all nations must depend to a large extent upon agricultural pursuits. With our bird numbers so rapidly decreasing, the balance of nature is bound to be affected. Our wild birds are as much a part of the natural resources of the country as are the forests and streams. For our own prosperity, we should not permit these resources to be ravaged. Saving our wild birds is a debt we owe, not only to ourselves, but what is of more importance, we are in duty bound to transmit this inheritance to our children."

NEWS OF THE CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Zonal Pelargonium.

Public notice is hereby given that F. H. De Witt & Co., of Wooster, Wayne County, Ohio, offer for registration the plant described below. Any person objecting to the registration of this plant or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Name—Red Wing.

Description—Red Wing is a geranium plant of strong growth, stocky, symmetrical. Its leaf is medium size with deep green color and smooth surface and slight zone. Makes an ideal pot plant or bedder as it stands the sun well. Its flower is a deep cardinal red, with a velvety sheen; the floret averages 1 7-8 in. of good substance. Trusses are large and very floriferous.

Registration of Ferns.

Public notice is hereby given that J. D. Pruessner, of 1705 Avenue K, Galveston, Texas, offers for registration the plants described below. Any person objecting to the registration of these plants or to the use of the proposed names, is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Name—Nephrolepis Pruessneri.

Description—This fern originated with us four years ago and is a sport from *Nephrolepis elegantissima*. It is entirely distinct from its parent variety. The fronds are only about half as long but very double and tripinnate in form. The true character is developed by age only but extra fine specimens are grown in 4-inch pots. They will show their true character in 3-inch pots, too. The fern inclines to form specimens and each frond presents itself as such. It belongs to table class of ferns and loves shade.

Name—Nephrolepis Galvestoni.

Description—This fern originated with us last January amongst a lot of *Nephrolepis Pruessneri* and must be a sport of that variety. The fronds are very fluffy, double and tripinnate in make-up, much shorter than in *N. Pruessneri* and much finer grained and fuller, resembling a real curly ostrich feather. The groove running through of each frond is very distinct. It forms useful specimens in 3-inch pots. The center forms stand up, others form a curve to hang, and the entire pot is covered with them, making it a very distinct character. No pot cover is needed as it hides the entire pot. It is of easy culture and loves shade.

W. N. RUDD, Secretary.

Below is a telegram from Edwin Lonsdale, President of the Society in 1895, which should have been read at the opening session at Cincinnati, but failed to come to the secretary's hands until after the convention was over:

Greeting: Sincerely regretting enforced absence from quarter century anniversary.

Heartiest desire is herewith extended for an instructive and profitable meeting of the greatest organization ever instituted in America and may the great work started in Cincinnati still continue and increase more than one hundred fold within the next quarter of a century is the earnest desire of

EDWIN LONSDALE.

Presentations.

The Colorado delegation presented to President Valentine on arrival at Cincinnati a handsome cut glass vase, in testimony of their personal appreciation of that gentleman and the many ways in which he had made their 1500-mile journey pleasant.

President Valentine was also the recipient at the close of the convention of a chest of silver table ware from the Society members. The presentation was made by H. H. Ritter and the president responded appreciatively. A gift of a pair of pipes was made to Secretary Rudd by the New York party, J. H. Pepper officiating.



WM. S. MANNING

Supt. of Baltimore Parks and President-elect of American Association of Park Superintendents.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club will hold its regular monthly meeting on Thursday afternoon, September 9th. This meeting is a very important one for the members as the new officers-elect will be installed and those members who attended the convention of the S. A. F. will be heard from. This meeting will be held on the grounds of the H. J. Weber & Sons Nursery Co., and will be the last outdoor meeting the club will hold this year. The usual postals will tell the members how to get to the grounds.

The 31st biennial meeting of the American Pomological Society will be held at St. Catharines, Ontario, on Sept. 14, 15 and 16. The Ontario Fruit Growers' Association, St. Catharines Horticultural Society and Niagara District Fruit Growers' Association will participate.

EASTERN BRANCH AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

This organization held a meeting and outing at Bridgeport, Conn., on Saturday, August 28, at the Hotel Stratfield. There were present Dr. Frank Baker, superintendent of the national zoological park, Washington, D. C., and Mrs. Baker; John A. Pettigrew, of Boston; A. G. Waldrean, New York City; G. A. Parker, Hartford; A. V. Parker, Worcester; Isaac Kelly, Lawrence, Mass.; Gus X. Amrhyn, New Haven; Henry Frost and Mrs. Frost, Haverhill; James Fuller, New London; Commissioner Green, New London; W. H. Burr, Westport, president of the Israel Putnam Memorial Ground Commission; and J. F. Huss, of the Francis Goodwin estate of Hartford. Charles E. Keith, superintendent of Bridgeport parks and president George M. Eames of the board of park commissioners received the visitors and extended unlimited hospitality.

A banquet was tendered the visitors at one o'clock, after which they were taken in automobiles through Bridgeport's two beautiful parks, Beardsley and Seaside, which they pronounced to be among the finest in the country. Beardsley Park has a rolling surface, well adorned with fine oaks, sweet gum and other trees, *Cornus florida* being represented by some extraordinary specimens. Seaside Park is protected by an extensive breakwater. Here, too, the trees are very fine, some grand old specimens of willows and oaks being particularly admired. This property at one time belonged to the late P. T. Barnum, who spent considerable on its improvement. As a public park it was designed by the late Frederick Law Olmstead, over a generation ago. Beardsley Park's development is largely the work of Superintendent Keith. Bridgeport was the first city to be known as "The Park City."

CONNECTICUT HORTICULTURAL SOCIETY.

The business meetings of this society have been resumed, following the summer respite; and on the evening of August 27th the members again assembled at the County Building, at Hartford, with President John F. Huss in the chair. The arrangements are now nearly completed for our two fall exhibitions—one for dahlias, etc., on September 23 and 24, at Unity Hall, Hartford, and the other for chrysanthemums, etc., on November 4 and 5, at Putnam Phalanx Hall, Hartford. The schedules of prizes are now in the printers' hands, and will soon be issued; and much credit for their production is due to James M. Adams, of Hartford, whose efficient work as a member of the executive committee is much appreciated by the society. Following the decease of Mrs. Huss, the wife of the president, last May, a beautifully engrossed and framed set of resolutions of sympathy for Mr. Huss in his bereavement was presented to him at this meeting, and received his

sincere thanks and his expressions of appreciation.

President Huss, who had just returned from Lenox, Mass., gave an account of his visit, and of the horticultural glory that must abound there. He announced that Messrs. James J. and Francis Goodwin, of Hartford, have signified their willingness to aid our fall exhibitions by financial gratuities; for which the society is very grateful.

J. A. Weber, of Hartford, gardener for Walter L. Goodwin, exhibited vases of asters and received a vote of thanks.

President Huss referred feelingly to the loss, by death, of our late brother horticulturist, Amos Reynolds; and a letter of condolence was unanimously voted to be directed to his widow by the secretary.

Julius Copperberg presented to the society, as a relic, a framed certificate of the once-existent Hartford County Agricultural Society, to Jonathan Goodwin, dated in 1841, of an award of \$20 premium for the best kept farm of 40 acres or upward. It will be placed in the archives of our society.

The secretary was appointed a delegate to the 31st biennial meeting of the American Pomological Society, at St. Catharines, Ontario, September 14th-16th. Our next meeting will be held September 10th.

GEORGE W. SMITH, Secretary.
Melrose, Conn.

RAILROAD GARDENERS VISIT RIVERTON AND OGONTZ.

On Wednesday, a. m., August 25, the R. R. G. Association went over the P. R. R. lines from Philadelphia to Paoli as already reported in our issue of last week and at 2 p. m. took boat to Riverton. After inspecting the mammoth plant of the Dreer corporation the party returned to Philadelphia. George B. Moulder, president of the Association introduced N. Stewart Dunlap of the Canadian Pacific to make a few appropriate remarks of thanks to Messrs. Dreer which he did in his happiest vein, and all departed feeling that they had spent the most profitable and enjoyable afternoon of their stay in Philadelphia. There was a feast of wonderful things indoors and outdoors and also something for the inner man. When Dreers make up their mind to do a thing they do it well. We have never seen them do it better than on this occasion. Mr. Stroblein was genial, attentive and patient with everybody; George Clark was there bright and snappy and full of life and cordiality; his brother James was in front with full and accurate information about every difficult subject; Mr. Betz held his end up and Mr. Hoyle and Mr. Ruppert were general pilots and earned golden opinions. A group photograph was taken at the rockery.

On Thursday the 26th ulto., the members went to P. A. Widener's palatial country residence at Ogontz, on the invitation of William Kleinheinz, the superintendent. A personally conducted tour through greenhouses, gardens and grounds was greatly enjoyed; after which the party repaired to Mr.



AMERICAN ASSOCIATION OF RAILROAD GARDENERS AT DREER'S. RIVERTON, N. J.

Kleinheinz's residence for lunch, where the host and Mrs. Kleinheinz surpassed themselves in making everybody happy. J. S. Butterfield voiced the sentiments of the association when he said that instead of liquidating some of the debt for previous courtesies, they had put themselves under still deeper obligations to Mr. Kleinheinz. The unanimous expression among the visitors was that they had seen more and learned more of value to them and their profession than in all the railroad trips they had taken and that this and the Dreer visit were of far greater potential value for future improvement than the inspection of the planting along the various rail-

stations; to encourage the beautifying of grounds adjoining railroad property; to eliminate whatever unnecessarily detracts from the beauty of the landscape as seen from the car window; to stimulate universal interest in presenting more attractive appearances to the travelling public, and by so doing increase the value of the property on which we work.

The last clause especially should appeal to the powers utilitarian and financial on the higher branches of the railroad tree, who are, alas! often prone to take a narrow view of railroad gardening from the dollar standpoint.

CLUB AND SOCIETY NOTES.

The New York Florists' Club will resume meetings on September 13.

The Pasadena (Cal.) Gardeners' Association will hold their fall flower show October 28, 29, 30.

The New England Dahlia Society will hold its second annual exhibition at Horticultural Hall, Boston, on Sept. 10, 11 and 12.

The Gardeners' and Florists' Club of Boston will visit the Bay State Nurseries (W. H. Wyman) at North Abington on Sept. 11.

The Missouri State Fair takes place October 2 to 8 at Sedalia, Mo; \$40,000 in prizes are offered and of this \$865 is set aside for floriculture.

The Retail Florists' Association of New York will give a big smoker at one of the popular restaurants early this month. Messrs. Bowe, Klausner and Warendorff are the committee in charge.

Eighty members and guests of the Lenox (Mass.) Horticultural Society held a picnic at Lake Mahkeenac on August 25. It was one of the largest outings the society ever gave. There was a long program of sports, which included a base ball game between teams captained by William Henry and Alexander McConnachie. An especially pleasing feature of the day was the presence of Mr. J. F. Huss of Hartford, who had charge of George H. Morgan's estate several years ago.



Railway Station Gardening at Relay, Md.
J. A. Byrne, Gardener.

roads. The young society's membership nearly doubled and if it keeps on as now, will be doubled again next year. The next meeting place has not been selected, although Boston has been strongly urged. It was also suggested that Rochester during S. A. F. convention week would be a good place, Tuesday, Wednesday and Thursday and then go on to Boston.

Section four of Article one of the by-laws of the association gives the aims of the society in succinct form:

"Aside from the social features the objects of the Association shall be to consider a more thorough and systematic extension of railroad gardening; to improve the appearance of all railroad way lands—especially those adjacent to passenger

MILWAUKEE FLOWER SHOW.

The Executive Committee of the Flower Show which will be given under the auspices of the Milwaukee Florists' Club are getting busy preparing some of the preliminary work in connection with the show. The Auditorium Building, which is now nearing completion and in which the Flower Show will be held, Nov. 13th, 14th, 15th and 16th, is one of the finest buildings in the country adapted for the purpose. It has an immense arena with seats surrounding the entire floor space, on the circus order, which gives the public an opportunity of seeing the show complete from all viewpoints. Likewise a celebrated band and soloists will be engaged as an additional attraction and with this double attraction it is expected the show will be a great success in every way.

SHAW'S GARDEN.

On Sunday, September 5th, the second opening of Shaw's Garden to the public on Sunday takes place. As directed by the will of the late Henry Shaw, the garden is only open to the public on Sunday in the months of June and September. September 1st was the fiftieth anniversary since Mr. Shaw turned over the garden to the public. The name of the garden has since been changed to the Missouri Botanical Garden; but the public knows it only as Shaw's Garden.

FIELD GROWN CARNATION PLANTS

BUSHY AND HEALTHY

350 Mrs. Patten	} \$4.50 per 100
200 Pink Patten	
200 Enchantress	
The lot for \$30.00	
Cash Please.	

C. H. JENKINS, Cumberland Centre, Me.

ASTER PLANTS.

Simple Branching, Vicks and Queen of the Market fine plants grown from the best seed, 3 colors, \$2.50 per 1000; 5000 for \$10.00. Cabbage, Tomato and Celery Plants, all kinds, fine plants, \$1.00 per 1000; \$8.00 per 10,000. Peppers and Cauliflower. Best kinds, \$2.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Chinese Primulas

Vilmorin's Finest.

From 2½ inch pots, very strong.
\$3.00 per 100. Cash.

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HEACOCK'S PALMS.

KENTIA BELMOREANA

6-in. pot, 22 to 24-in. high.....	\$1.00 each
6-in. pot, 24 to 26-in. high.....	\$1.25 each
6-in. pot, 26 to 28-in. high.....	\$1.50 each
9-in. tub, 42 to 48-in. high.....	\$5.00 each
9-in. tub, 48 to 54-in. high.....	\$6.00 each

MADE-UP KENTIA FORSTERIANA

9-in. tub, 4 plants, 42 to 48-in. high. \$4 ea.
JOSEPH HEACOCK CO. WYNCOTE, PA.

NEPHROLEPIS ELEGANTISSIMA COMPACTA

Another New Fern Originating with Us. To be introduced Fall, 1909.

Of all the valuable introductions in ferns that we have sent out, beginning with the Pierson (Nephrolepis Piersoni), we consider Elegantissima compacta the most valuable of all, particularly from a commercial standpoint. While this resembles Elegantissima in a general way, it is far superior to that variety, on account of its perfect habit. Yet it can hardly be compared with Elegantissima except in a general way, because it occupies a place by itself, and is as distinct from Elegantissima as that variety is from Piersoni, — in fact, it bears the same relation to Elegantissima that Scottii does to Bostoniensis.

Elegantissima compacta has an ideal habit. The fronds are considerably shorter than those of Elegantissima, and it is a more compact plant. It throws a great many more crowns naturally, making a very bushy, dwarf, compact plant. The difference between the two varieties can be seen at a glance.

Fine, strong plants, 2¼-in. pots, \$5.00 per dozen, \$35.00 per 100; 4-in. pots, \$7.50 per dozen, \$50.00 per 100; 6-in. pans, \$1.50 each; 8-in. pans, \$3.00 each.

We make a specialty of all kinds of Nephrolepis, carrying a large stock of all sizes at all times, — Piersoni, Elegantissima, Superbissima, Bostoniensis, Scottii, Whitmani, Amerpohli, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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For sale, 300 strong plants in soil ready
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\$8.00 per 100, — the lot \$20.00

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NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

¾-in., \$40.00 per 1000; 3¼-in., from Bench.
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

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JARDINIERE FERNS

IN BEST VARIETIES. VERY FINE STOCK.

\$3.50 per 100, \$30.00 per 1000

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Julius Roehrs Co.

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Largest Importers, Exporters, Growers
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Just to hand a fine lot of C. Labiata, C.
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ORDONEZ BROS.

41 West 28th St., New York City.
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JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

A CALIFORNIA EXHIBITION.

The Portola Flower and Fruit Exhibition of the Pacific Coast Horticultural Society and California State Floral Society will be held in Norman Hall, Fairmont Hotel, San Francisco, on Thursday, Friday and Saturday, October 14th, 15th and 16th, 1905.

The prize schedule is ready and may be had by writing either of the officials named below. The premiums, numbering 176, are very liberal and include a large number of silver and bronze medals. The officers of the show are: H. Plath, 510 Wyoming avenue, manager; D. MacRorie, 271 Crocker building, assistant manager; J. R. Atkinson, 110 12th avenue, secretary; Mme. E. Roeckel-Davis, 125 Carmel street, San Francisco, treasurer.

NEW ENGLAND FRUIT SHOW.

The New England Fruit Show, which is the result of the conference of the Governors of the several New England states, held in Boston last November, is likely to bring together a very fine exhibition of New England-grown fruit and demonstrate beyond a doubt that New England can produce now, as in the past, fruit of the highest quality. The show will be held on October 19th to 24th at Horticultural Hall, Boston. The premium list, in which over \$3000 worth of prizes are offered, has just been issued. It covers 50 pages and should be carefully read by all New England orchardists and fruit gardeners. Send to Wilfred Wheeler, Concord, Mass., for a copy. Advertising space will be rented up to the capacity of the building.

OVER FIFTY ACRES IN CHOICE EVERGREENS

The Framingham Nurseries offer a large and select stock of the following varieties of

EVERGREENS

Abies Balsamea, Concolor, and Fraseri; Junipers of various varieties; Picea Alba, Engelmanni, Excelsa, Pungens glauca, and Pungens Kosteri; Pinus Excelsa, Mugho, and Strobus; Pseudo-Tsuga Douglasii; Retinosporas, assorted; hardy Taxus, such as Canadensis, Cuspidata, and Brevifolia; Thuja Occidentalis, Globosa, Peabody's Golden, Pyramidalis, and Siberica; Tsuga Canadensis, Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor, Picea pungens, and Pinus Strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always advisable. Boston and Worcester Electric pass our grounds.

ADDRESS

W. B. WHITTIER & CO.
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Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.

IMPORTANT TO CATALOGUE MEN!

By reason of the recent purchase of the catalogue business and entire plant stock of Heller Bros. New Castle, Indiana, and owing to our increased operations at West Grove, Pennsylvania, and Charlotte, North Carolina, we have come into possession of a number of magnificent new Roses and other new plants of sterling merit, which we will offer to our own trade in 1910, and which would make splendid features for any one issuing a catalogue. We will furnish full particulars and favorable contract terms on application to any one interested.

THE DINGEE & CONARD CO. West Grove, Penna.
THE HOME OF THE ROSE.

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BAGSHOT - - - ENGLAND

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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and other **EVERGREENS** for Tubs and Boxes
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Shade, Ornamental Standard and Weeping Trees

We have thousands in all sizes and varieties. Straight stemmed, healthy and vigorous.

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The largest and most complete collection in this country.

Decorative Plants, Palms, Ferns, Bay Trees, Boxwood, Etc., in immense variety.

Special Prices on large quantities given on application. Price-List mailed on request.

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RUTHERFORD, - - N. J.

PINUS STROBUS**White Pine**

	Per 100.
3 to 4 ft. XX with ball.....	\$50.00
4 to 4½ ft. XX with ball.....	70.00
4½ to 5 ft. XX with ball.....	90.00
5 to 5½ ft. XX with ball.....	125.00
5½ to 6 ft. XX with ball.....	150.00
6 to 7 ft. XX with ball.....	200.00
7 to 8 ft. XX with ball.....	225.00
8 to 9 ft. XX with ball.....	300.00

We have a very large and fine block of Pinus Strobus in the larger sizes, and are confident that our stock is finer than any in New England. We shall be glad to give special prices on large lots, by mail.

Eastern Nurseries,
Jamaica Plain, Mass.

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AMERICAN SEED TRADE ASSOCIATION.

President, J. C. Robinson, Waterloo, Neb.; First Vice-President, M. H. Duryea, New York; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, Ohio; Assistant Secretary, Leonard H. Vaughan, Chicago.

WHOLESALE SEEDSMEN'S LEAGUE.

F. W. Bruggerhof, Pres.; Burnet Landreth, Sec'y.

The Corn Outlook.

Reports of frost in Iowa and some of the northwestern states is a warning of what is to follow. No serious damage has yet resulted, but when even light frosts come thus early there is ample reason to fear that the killing kind is lurking in the near background. The fact that corn is generally two to three weeks late is an added cause for alarm. It begins to look as if the three billion bushel crop predicted by the Department of Agriculture will prove an iridescent dream, and many good judges say that a crop equalling last year's in quantity, but not in quality is about what the harvest will be. These observations are with reference to corn as a whole, but it may be accepted as a fact, that if field corn does not fully mature sugar corn will not. However more of this anon.

News of an unsatisfactory character has recently come to hand as to the vine seed crops. Up to the middle of July conditions were generally promising, but since then there has been marked deterioration, particularly in Nebraska, due mainly to the protracted drought.

Pea Delivery Below 50 Per Cent.

Pea seed harvesting is generally about completed, and the crop will prove one of the shortest ever harvested in proportion to acreage. Preliminary estimates will be issued by the principal growers in a few weeks, and we shall then have a means of definitely estimating the crop. Enough is known to warrant the prediction that the average deliveries will be below fifty per cent, and as the European crops are also very short, the exportable surplus will be very small if any at all. It looks as if prices, especially on the large podded varieties, would reach new high levels the coming season.

Beans Improving.

The latest information on beans indicates an improvement in that crop, and if it can be harvested without damage by rain, there will be beans enough of most varieties to go around, at a price. Black Valentines will be short again, as the seed stocks were insufficient to meet demands, and growers were very generally oversold. The same may be said in a lesser degree of the Burpees and Giant Stringless Green Pods.

Optimistic Feelings.

Vacation time is now generally over and the heads of the big houses are

returning reinvigorated to their desks for the next ten months' grind. The outlook, however, for the trade is distinctly favorable, and a feeling of optimism is general. While the shortages in many lines will prove a real hardship, the situation as a whole is vastly more encouraging than would be the case with a general surplus, even of very moderate proportions, and the more one studies the history of the seed business, the more certain does this conviction become. The growers and farmers are the principal sufferers, but even to them it is not an unmixed evil, and particularly the former.

Newark Enterprise.

It was hinted some weeks ago in HORTICULTURE that the house of J. F. Noll & Co. (Inc.) would probably be the center of interesting developments, but the writer was at that time not free to disclose certain plans which were then on foot. These plans have now materialized in part at least and it can now be announced that Mr. E. C. Dungan, for more than twenty years connected with Mr. Henry Maule has acquired a substantial interest in the firm of J. F. Noll & Co. (Inc.), and will be its active head. There is a possibility of another well known representative of one of the large seed houses associating himself with Mr. Dungan. Mrs. Noll will retain a controlling interest in the firm but will retire from its active management. For over fifteen years Mr. Dungan has been the able and efficient manager for Wm. Henry Maule, and his many friends will wish him the fullest measure of success in his new venture. Mrs. Noll is also to be congratulated in securing the services of so able and faithful an associate. "Now watch us grow."

A Great Fair.

"The Great Cambridge Fair" is on this week, and with promise of fine weather, its able president, our genial friend, Jerome B. Rice, is happy. Due to his able management, assisted by a staff of live lieutenants, this Fair, after the State Fair at Syracuse, has become the largest in the Empire State. It is wonderful what brains and energy will accomplish.

The Bulb Season in Holland. Notes on Nursery Stock.

We take the liberty of publishing the following interesting extract from a letter written by Mr. J. K. M. L. Farquhar, dated at Haarlem, Holland, August 20.

"Formerly this city was the centre of the bulb-growing district; now the centre is Hillegom 6 or 7 kilometers to the south. Bulbs have been later in ripening this year owing to a wet and cold season—they have ripened splendidly, however, and as the long growing-season favored the development of size, all bulbs are of unusual excellence. Several kinds of tulips have grown so as to burst their outer skins. This renders the bulbs less attractive but will not affect their flowering quality in the least. The beautiful single crimson Dussart has burst more than any other sort.

Hyacinth disease which was greatly feared several years ago is now being

CYCLAMEN SEED

NEW CROP

If you want thrifty plants that will bloom freely and produce gigantic bloom, then our Fancy Giant Cyclamen is the strain to grow. Our seed is grown for us in England by a leading specialist.

	100 Seeds	1000 Seeds
Duke of Connaught. Crimson	\$1.25	\$10.00
Excelsior. White with red eye	1.25	10.00
Grandiflora Alba. Pure white	1.25	10.00
Princess of Wales. Deep pink	1.25	10.00
Salmon Queen. Salmon rose	1.25	10.00
Mixed. All colors.	1.00	9.00

H. F. MICHELL CO.

1018 Market Street,
PHILADELPHIA, PA.

controlled. The hyacinth crop this season is one of the best ever harvested. Tulips are in good supply except the red varieties, which are in great demand at high prices. There is also a shortage of yellow crocuses; the other colors are plentiful.

There is plenty of nursery stock except roses and these are decidedly short throughout northern Europe; even in the north of France they were very badly winter-killed, and the Holland agents who have taken orders in the United States at the prices of former years are having trouble to get stock to fill their orders.

Azalea indica is also in short supply; many of the plants have as yet no flower buds.

There is great enthusiasm here over the coming Bulb Exhibition to be held in Haarlem next April. It will undoubtedly eclipse any previous exhibition of the kind."

Notes.

Henry Eicke, formerly with Stumpp & Walter Co., New York, is now with O. V. Zangen, Hoboken, N. J.

Chinese sacred lily bulbs have arrived. Roman hyacinths are still very scarce; many inquiries are being received. Cold storage giganteums are likewise scarce and much in demand.

Mr. Ad. Goldenberg of R. M. Ward & Co., New York, sailed August 31st on the Kaiser Wilhelm II for an extended tour among the lily of the valley growers in Germany, as well as visits to Holland, Belgium and France—on business matters.

New Spawn

100 lbs. \$7.00

Including our Treatise How to
Spawn A Bed Successfully.

W. ELLIOTT & SONS,
NEW YORK

CYCLAMEN

NEW CROP

FARQUHAR'S GIANT STRAIN

Is **UNEXCELLED** for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, Pink with
claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

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GIANT PANSY PLANTS

The KENILWORTH Strain

is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed, 1000, 25c; 2000, 40c; 6000, \$1; ¼ oz., \$1.40; ½ oz., \$2.50; 1 oz., \$5. Plants, 100, 50c; 1000, \$3.50.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotched, striped, veined, margined, etc. Seed, 1000, 20c; 2000, 30c; 1-8 oz., 50c; ¼, 55c; 1 oz., \$3.00. Plants, 100, 50c; 1000, \$3.00.

CHAS. FROST
Kenilworth, N. J.

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

In writing advertisers kindly mention HORTICULTURE.

CABBAGE. Succession, Flat Dutch and Savoy, \$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self-Blanching, \$1.00 per 1000. \$8.50 per 10,000.

PARSLEY. 25 cts. per 100. \$1.25 per 1000. CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

GIGANTIC PANSIES

can only be produced from the Giant Strain. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

Trade pkt.	1 oz.	¼ oz.	½ oz.	1 oz.
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., New York City

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

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C. C. MORSE & CO. San Francisco, Cal.

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ESTABLISHED 1802

*Thorburn's
Bulbs*

Lilium Harrisii

TRUE STOCK

5/7 \$4.00 per 100 6/7 \$6.00 per 100
Narcissus Paper White Grandiflorus
\$1.00 per 100 \$8.00 per 1000

Dutch Bulbs ready now. Send for prices

J. M. THORBURN & CO.
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ORDER NOW
French and Dutch Bulbs
FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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Fred'k H. Griffin 88 Broad St., Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

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FRENCH AND DUTCH BULBS
Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

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Simple methods of correct accounting especially adapted for florists' use.

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Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

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TAKE CARE OF OCEAN STEAMERS



Can deliver to
LAKE STEAMERS
NORTHWEST and
NORTHLAND

W. J. Palmer & Son, 304 Main St., Buffalo, N. Y.

PERSONAL.

Mrs. Ida Coates of Lexington, Ky.,
has taken a position with the Atlanta
Floral Co., Atlanta, Ga.

Aubrey Frink has been appointed
manager of the Tennessee Wholesale
Nurseries at Winchester.

George Murphy has been appointed
superintendent of the Jabez Elliott
Flower Market at Cincinnati.

C. L. Brunson of Paducah, Ky., has
received an appointment as assistant
in the floral department at the state
fair in Louisville, September 13-18.

Alfred Pahud of Indianapolis fell
backward from a trolley car and struck
on his head. It is hoped the accident
will not prove so serious as at first
feared.

Visitors in Boston: D. Herbert and
wife, Atco, N. J.; Paul Berkowitz, of
H. Bayersdorfer & Co., Philadelphia;
George White, representing R. M.
Ward & Co., New York; C. H. Twin,
representing King Construction Co., N.
Tonawanda, N. Y.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Sept. 17

American.

St. Paul, N. Y.-S'ampton....Sept. 11

Atlantic Transport.

Minneapolis, N. Y.-London...Sept. 11

Cunard.

Saxonia, Boston-Liverpool...Sept. 7

Lusitania, N. Y.-Liverpool...Sept. 8

Carmania, N. Y.-Liverpool...Sept. 11

Sylvania, Boston-Liverpool...Sept. 14

French Line.

La Provence, N. Y.-Havre...Sept. 9

La Savoie, N. Y.-Havre....Sept. 16

Hamburg-American.

Pres. Grant, N. Y.-Hamburg...Sept. 8

K. Aug. Victoria, N. Y.-H'g...Sept. 11

Holland-America.

Noordam, N. Y.-Rotterdam...Sept. 7

Leyland Line.

Bohemian, Boston-Liverpool...Sept. 8

Winifredian, Boston-Liv'pool...Sept. 15

North German Lloyd.

Krp. Will'h'm II., N. Y.-B'm'n...Sept. 7

G. Washington, N. Y.-B'm'n...Sept. 9

K'ng Albert, N. Y.-Med. Pts...Sept. 11

White Star.

Teutonic, N. Y.-S'ampton...Sept. 8

Megantic, Montreal-Liv'pool...Sept. 11

Baltic, N. Y.-Liverpool...Sept. 11

Romanic, Boston-Med. Pts...Sept. 15

James Whiting, formerly of the Wa-
ban Conservatories, Natick, Mass., has
been engaged as foreman in the flori-
cultural department at the Agricul-
tural College, Amherst, Mass., and not
James Gillis as reported by us last
week.

Joseph Hurley, head gardener on the
James W. Paul estate at Radnor, Pa.,
for many years, has accepted a posi-
tion with Thomas W. Hunter in a simi-
lar capacity at Haverford, Pa., where
Mr. Hunter is laying out a handsome
new country estate. Ogelsby Paul is
the landscape engineer on the opera-
tion and his plans are as usual very
up-to-date and require first-class care
after they are completed to give the
best results. This explains why a man
of Mr. Hurley's ability has been select-
ed. His duties will commence Oct. 1st.

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all principal cities of Europe. Orders
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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

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Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
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BOSTON'S BEST

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Can be relied upon when you transfer your
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For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from



MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Renumbering the Streets.

The renumbering of the streets of Chicago will be of interest to many readers. The work is finished and goes into effect September 1st. Madison and State streets are taken as a base and the numbers east, west, north and south radiate from this point. The west and north sides will be changed most, and after the new plan becomes familiar it will be a great improvement, for the old system or lack of system was very confusing. The district of the wholesale florists is practically unchanged, but many of the retailers and growers will now be known by another address.

Hughes' Window.

H. R. Hughes, the florist who talks to the people by means of his window, now has an attractive bathing beach scene as a drawing card and with it shows how the lake front should be open to the people.

The lesson is a live one, for the question of the right of the Chicago people to the lake front is one that is just now being strongly agitated. Mr. Hughes has never had a window display that appealed more directly to the people.

Personal.

Frank Oechslein, a well-known plant grower, is taking his annual overhauling for rheumatism at St. Joseph, Mich.

W. P. Kyle, formerly of the J. B. Deamud Co., and Joseph Foerster, for many years with George Reinberg, will start in the wholesale commission cut flower business in the Atlas Block. Kyle & Foerster will be the firm name.

Visitors: H. H. Kuhman, Houston, Texas; L. P. Thomson of C. A. Dahl Floral Co., Atlanta, Ga.; W. L. Rock, Kansas City; A. L. Blaser, Dubuque, Iowa; Martin Reukauf, representing H. Bayersdorfer & Co., and J. J. Karins, representing H. A. Dreer, Philadelphia.

The beautiful silver cup won by the Chicago Bowling Team at Cincinnati is on exhibition at Zeck & Mann's and is attracting much attention.

NEW FIRMS.

Messrs. Ciny & Rowe have started the Woodbine Floral Co. at Kirkwood, Mo. This new firm has four houses filled with carnations, violets and sweet peas and will grow this stock for the St. Louis market.

It has been reported that our old friend, Max Herzog, will again enter into the florist business on South Jefferson avenue, St. Louis, but this time in the retail business. He will erect his own building.

Albert T. Hey, who went from Springfield, Ill., one year ago to take the management of Vaughan's greenhouse at Western Springs, has severed his connection with that firm and rented the Hill greenhouses at Maywood. It is rumored that Albert Erickson, foreman, and who assisted in erecting the first greenhouse and was in the firm's employ ever since, is to be a partner with Mr. Hey.

OBITUARY.

Professor Emile Christian Hansen.

Professor Emile Christian Hansen, the renowned botanist, died August 27 at Copenhagen, Denmark. He was born on May 8, 1842, at Ribe, in the province of Jutland, Denmark, and as a young man learned the trade of house-painter. His ambition led him to attend the art school at Copenhagen, but he soon turned his attention to the natural sciences. For three years he supported himself by giving private tuition, until in 1866 he received a scholarship from the Minister of Education which enabled him to study mathematics and science at the Copenhagen University. He then became an instructor in the gymnasium there, and soon devoted himself to the study of chemistry and botany, especially with regard to the physiology of plants. In recent years he has been recognized as one of the leading authorities on the latter science.

In the physiological laboratory at Carlsberg Hansen made a study of the lower order of plants, and especially of the fungi. Later he was appointed head of the physiological laboratory. He evolved a plan for a systematic research of the alcoholic fermenting yeasts and upon other micro-organisms influencing them. This plan led to a comprehensive study of the fungi which established a new epoch in botany. His studies also covered cell physiology and the conditions of mutability in micro-organisms.

Professor Hansen tried to give practical effect to his discoveries by placing the utilization of yeast cultures on a new basis, and in 1887 with Professor Kuhle he devised an apparatus for producing a pure ferment which is now in use in many breweries in Europe. He wrote a work on micro-organisms found in the atmosphere at various seasons, a monograph on the "Morphology of Alcoholic Ferments" and other papers on kindred topics.—Boston Transcript.

Mrs. P. Scanlan.

The young wife of Commissioner Phil Scanlan, St. Louis, Mo., died the past week. Mr. Scanlan was only married a little over a year. Mrs. Scanlan's death followed the birth of a child, which also died shortly after. Mr. Scanlan has a great many friends among the local florists who extend their sympathy.

Henry McDonald.

Henry McDonald died on August 25 at his home in Brockton, Mass., aged 38 years. He had been ill but a short time. Mr. McDonald, a native of the West Indies, was a resident of Brockton for several years, being employed as a gardener on several large estates. Besides his wife, he is survived by three small children.

F. E. Rawlings.

Mr. F. E. Rawlings, secretary of the Plant Seed Co., St. Louis, was drowned the past week at Bourbon, Mo., where he and his wife and son were spending their vacation. The accident occurred while Mr. Rawlings was in bathing. The news came as a great shock to a large circle of friends in the trade.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 233 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tailby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

In ordering goods please add "I saw it in HORTICULTURE."

N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

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Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

FIELD GROWN CARNATION PLANTS

Sarah Hill, \$12.00 per 100.
W. Perfection, \$8.00 per 100; \$75.00 per 1000.
Boston Market Queen
Lt. Peary } \$6.00 per 100.
Vesper } \$50.00 per 1000.
Queen Louise }

Strong, healthy stock, free from disease

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1209 Arch Street, - PHILADELPHIA, PA.

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IF YOU

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The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Ample Supply of Fine Quality.

\$10.00 per 100.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia



CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

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Seedsman, Plantsmen, Nurserymen
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We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 31		Aug. 31		Aug. 31		Sept. 1	
ROSES								
Am. Beauty, Fancy and Special..	25.00	to 30.00	25.00	to 30.00	20.00	to 25.00	18.00	to 23.00
" Extra.....	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00	10.00	to 15.00
" No. 1.....	12.00	to 20.00	10.00	to 15.00	8.00	to 10.00	4.00	to 8.00
" Lower grades.....	5.00	to 10.00	5.00	to 10.00	4.00	to 5.00	2.00	to 3.00
Bride, 'Maid, Chateaux, F. & S....	4.00	to 6.00	4.00	to 6.00	4.00	to 5.00	3.00	to 6.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00	.25	to 1.00
Killarney, Fan, & Sp.....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	.25	to 1.00
Richmond, Fancy & Special.....	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00	4.00	to 6.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 3.00	.25	to 1.00
My Maryland, Kaiserin.....	5.00	to 8.00	.....	to	6.00	to 8.00	.50	to 8.00
CARNATIONS								
	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00	.50	to 1.00
MISCELLANEOUS								
Gladioli.....	3.00	to 4.00	3.00	to 8.00	2.00	to 5.00	.50	to 3.00
Asters.....	.50	to 2.00	1.00	to 3.00	.50	to 2.00	.15	to 1.00
Campanas.....	15.00	to 50.00	40.00	to 50.00	.....	to 75.00	50.00	to 75.00
Lilies.....	10.00	to 12.00	10.00	to 12.00	12.50	to 15.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette.....	2.00	to 5.00	2.00	to 3.00	.....	to 1.00	.50	to 1.00
Sweet Peas.....	.25	to .50	.40	to .75	.40	to .50	.05	to .80
Gardenias.....	.....	to 40.00	.....	to 40.00	.....	to 20.00	20.00	to 25.00
Adiantum.....	.75	to 1.00	.75	to 1.00	1.00	to 1.50	.75	to 1.25
Smilax.....	10.00	to 12.00	10.00	to 14.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Sprez. (100 bchs.)	30.00	to 50.00	35.00	to 50.00	25.00	to 50.00	15.00	to 25.00

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.

WHOLESALE COMMISSION DEALERS IN

CUT FLOWERS—FLORISTS' SUPPLIES

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2617-2618 MAIN

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports.

BOSTON Cooler weather, returning vacationists and a few timorous ventures at matrimony have conspired to inject a little life into the flickering remnant of the flower trade this week and great is the joy caused thereby. But it will not do to crow too much just yet. Lily of the valley, white roses if good (and very few of them are), cattleyas if they could be obtained, gardenias—anything real choice and chaste—can be placed at a good figure. All the rest that goes to make up the cords upon cords of stuff sent to the flower markets daily must take its chances on an unappreciative and forbidding market. There are carloads of gladioli, but Shakespeare is the only one that brings a price—as much for a dozen Shakespeare as for a hundred of any other. Asters—there's no end of them. A few of rare tint and finish, with flowers and stems of exhibition proportions can be sold at a dollar or two per hundred. For the balance a dollar a thousand is considered a snap. There are fine lilies now; also excellent tuberoses at about two dollars per hundred spikes. Carnations seldom seen and not wanted until they are better.

BUFFALO There was plenty of everything in the line of cut stock and all grades. It was rather a hot week for roses but they moved better than heretofore. The late crop of asters is on and some choice stock is to be had, but too many of the ordinary shorts are coming in with very little sale. The same may be said of gladioli. Such varieties as America need no urging, but the mixed stuff remains with the dealer. The white rose and lily of the valley situation has improved, due largely to the demand for early fall weddings.

CHICAGO Trade is still at a very low mark and indications are that there will be little or no change for some time to come. There is a lively skirmish for good flowers when orders come in. So much of the stock is poor that it is unsalable. The early severe rains, followed by a prolonged drought injured the aster crop to the extent of making much of it worthless. The late crop of asters is the poorest ever known to some growers while others are now cutting some quite fair flowers for the first time this season. Carnations are short in stem and small in flower and the supply is limited. The first cosmos of the season were noticed Monday. Roses are improving from week to week and Beauties are now quite fair both in quality and quantity. The return to the city of many for the opening of school will no doubt add to the sales of the florist and gives promise of the return of the busy season.

INDIANAPOLIS During the past two weeks little has occurred to break the ripple of the summer dullness. The best roses are Beauty, Kaiserin and Killarney. Maryland is well liked and bids fair to displace Killarney to some extent as a summer flower. A few carnations of the new crop are appearing. Good asters are very scarce around this vicinity. Gladioli are good

but far too numerous. Lilies of all kinds are quite plentiful. Golden Glow and chrysanthemums being sent in by several growers, but don't bring in returns sufficient to pay to grow them so early. The demand for lily of the valley and orchids is very moderate. There is quite a lot of outdoor stuff coming in which meets with very little demand. Smilax are selling well and all other greens.

PHILADELPHIA Business was very dull last week. People are all away. There is plenty of material but no demand for it. To quote one of the big wholesalers: "There is nothing to it." This sizes up the situation about as well as a story as long as your arm. I wish there was some better news to send; but candor compels the doleful tale. Asters are better than ever and considering the dry weather we have had this summer are really remarkable at the present time. Gladioli have not stood the siege nearly as well and are coming along very sparingly. A few good rains would help these considerably. Roses generally have improved. My Maryland especially being particularly fine. American Beauties have also taken a distinct step forward, and there are some fine White Killarneys



FIELD GROWN Carnation Plants

We offer, subject to prior sale, the following:

These are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and handled under the best possible methods, thus insuring results that will place the plants in our customers' hands in the very best condition.

ENCHANTRESS
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VARIEGATED LAWSON
WHITE LAWSON
LADY BOUNTIFUL
WHITE PERFECTION
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BEACON
AFTERGLOW
MRS. PATTEN

First grade \$8.00 per hundred. \$75.00 per thousand.
Second grade 7.00 per hundred. 60.00 per thousand.

NOTE. - Second grade are as good, if not better than most Growers' first grade.

PROSPECTOR

GENEVIEVE LORD \$5.00 per hundred.

HARLOWARDEN

QUEEN

\$45.00 per thousand.

SARAH HILL, \$12.00 per hundred.

POT GROWN PLANTS

800 BOUNTIFUL, 4 in. Pots.

2000 WHITE PERFECTION. 4 in. Pots.

\$6.50 per hundred. \$55.00 per thousand.

S. S. PENNOCK - MEEHAN CO.
The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow Street

Store closes 6 p. m.

Washington Store, 1212 New York Ave.

arriving. Carnations few and very poor. Dahlias have just commenced, among the forerunners being: Lyndhurst, White Swan, Perle d'Or, Nymphaea, Arabella, Livoni, Sylvia, Florida, Flora (a good white), Standard Bearer, and Red Huzzar. After a week's lull, fancy water lilies have started up again and are now exceptionally good. Lily of the valley is

(Continued on page 353)

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 31		DETROIT Aug. 30		BUFFALO Aug. 30		PITTSBURG Aug. 30	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra	15.00	to 20.00	15.00	to 18.00	15.00	to 20.00	10.00	to 15.00
“ No. 1	8.00	to 12.00	10.00	to 15.00	5.00	to 10.00	6.00	to 8.00
“ Lower grades	4.00	to 6.00	4.00	to 8.00	3.00	to 4.00	3.00	to 4.00
Bride, 'Maid, Chateaux, F. & S. ....	.....	to 6.00	4.00	to 6.00	5.00	to 6.00	.....	to 6.00
“ Low gr.	3.00	to 4.00	2.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Killarney, Fan. & Sp.	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
“ Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy & Special.	6.00	to 8.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
“ Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
My Maryland, Kaiserin	3.00	to 5.00	.....	to .....	.....	to	4.00	to 8.00
CARNATIONS								
	1.00	to 2.00	.75	to 1.50	1.00	to 2.00	2.00	to 4.00
MISCELLANEOUS								
Gladioli	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Asters	1.00	to 2.00	.50	to 1.50	.50	to 2.00	.25	to 3.00
Cattleyas .....	.....	to	35.00	to 50.00	40.00	to 50.00	.....	to 75.00
Lilies	10.00	to 12.00	12.50	to 15.00	8.00	to 12.00	8.00	to 10.00
Lily of the Valley .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette .....	.....	to .....	.50	to 1.00	.50	to 1.00	.....	to
Sweet Peas .....	.35	to .50	.25	to .50	.50	to 1.00	.....	to
Gardenias .....	.....	to	20.00	to 30.00	20.00	to 30.00	.....	to
Adiantum .....	.....	to 1.00	.....	to 1.50	.50	to 1.00	.....	to 1.25
Smilax	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100) ..	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00
“ “ & Spreng. (100 bchs.) ..	20.00	to 30.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALEOpen from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

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Telephone No. 756
Madison Square

New York

MILLANG BROS.**WHOLESALE FLORISTS**

41 West Twenty-Eighth Street

Phones 3860 Madison Sq. NEW YORK
3861**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan*Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York****NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Aug 28 1909	First Half of Week beginning Aug. 30 1909
American Beauty, Fancy and Special.....	10.00 to 15.00	10.00 to 15.00
" " Extra.....	6.00 to 10.00	6.00 to 10.00
" " No. 1.....	4.00 to 6.00	4.00 to 6.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	2.00 to 4.00	2.00 to 4.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Killarney, Fancy and Special.....	3.00 to 6.00	3.00 to 6.00
" " Lower Grades.....	.50 to 1.00	.50 to 1.00
Richmond, Fancy and Special.....	3.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Chatenay.....	.50 to 5.00	.50 to 5.00
Fly Maryland.....	.50 to 6.00	.50 to 6.00
Carnations, Fancy and Novelties.....	1.50 to 2.00	1.50 to 2.00
" Ordinary.....	.50 to 1.00	.50 to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET****PHONES. 1664-1665 MADISON SQUARE****ENOUGH SAID**CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist****55 & 57 W. 26 St., NEW YORK**

Telephone 7062 Madison

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122 West 28th St., New York

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**GROWERS' CUT FLOWER CO.****CUT FLOWERS
AT
WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments to Order, any Distance

39 West 28th Street,Telephone 6337 Madison Square
J. J. COAN, Manager**NEW YORK****Durand & Marohn**

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

The Meyer Green Silkline is faked by florists more or less. Demand the

Meyer Green Silkline
and TAKE NO OTHER.

John C. Meyer & Co. Boston and Lowell, Mass.
For Sale by All Reliable Houses.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

\$5,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers



**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Southern Wild Smilax

Satisfaction Guaranteed

Louisville Floral Co., Louisville, Ala.

Flower Market Reports.

(Continued from page 351)

selling up clean right along, and the critics and hard-to-please have to take a back seat for a minute. Cattleyas and other orchids quite scarce. All the outside subjects such as hydrangea, gaillardia, centaurea, etc., very draggy. Cosmos, the early flowering kind (Woodside), is perhaps the only decent seller in this class. Greens entirely too plentiful. Wild smilax, new crop, will make its advent next week, and there is likely to be a good demand for this for early fall trade. Most of the houses demand three days' notice for deliveries on wild smilax.

NEW YORK Cooler weather and considerable rain fall have resulted in a

greatly improved quality in many of the items in the outdoor product coming to this market, but nothing has yet transpired to improve the sale of these things and so the flower marts are encumbered with asters of high and low degree, garden lilies, tritonnias, hydrangeas, dahlias and gladioli, which are moved with extreme difficulty and often find their only outlet through the dump cart, all of which is extremely discouraging for the man who grows them and sends them in. At such times the wholesaler who confines himself to greenhouse product has the best of it, for empty counters and boxes are preferable to stacks of material going to waste. A certain quantity of select Beauties, Maryland, Kaiserin and Killarney roses, cattleyas,

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

**383-387 Ellicott Street
BUFFALO, - N. Y.**

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.



1887 ESTABLISHED 1909

KEEPING OPEN HOUSE THIS SUMMER

TO RECEIVE CONSIGNMENTS OF ALL CUT FLOWERS IN SEASON

TOP PRICE AND PROMPT RETURNS

J. K. ALLEN

106 W. 28th St., N. Y.

Tel. 167 Madison Sq.
Open 6 A. M. Daily.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 28 1909		First Half of Week beginning Aug. 30 1909	
Cattleyas	47.00	to 75.00	40.00	to 75.00
Lilies	3.00	to 6.00	3.00	to 6.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Asters.....	.10	to 1.00	.10	to 1.00
Gladioli.....	.25	to 1.00	.25	to 1.00
Sweet Peas (per 100 bunches)	1.00	to 4.00	1.00	to 4.00
Gardenias	20.00	to 25.00	20.00	to 25.00
Adiantum	50	to .75	.50	to .75
Smilax	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings	20.00	to 30.00	20.00	to 30.00
" & Sprea. (100 bchs)	10.00	to 25.00	10.00	to 25.00

yas, gardenias and lily of the valley, can be disposed of every day at respectable figures, but there is almost no use for the small roses from newly planted stock which are being received in large consignments and which are well sold if disposed of at 25 to 50 cents a hundred. Carnations are as yet, very insignificant both in quality and quantity. Some of the asters are simply superb. Lilies good and enjoying only a moderate call.

PHILADELPHIA NOTES.

A distinguished visitor this week was Adolphe Buysens, Vilvorde, Belgium, Professor of Agriculture and Horticulture at that place.

Samuel S. Pennock, of the S. S. Pennock-Meehan Co., left last week for his annual vacation which this year will be mostly to down east points, including Nova Scotia. He expects to be back in Philadelphia by September 16th.

W. K. Harris, we are happy to report on the convalescent list. For the first time in two months he was on his afternoon hunting grounds at the Florists' Club on the 31st ulto., where he met and passed a pleasant hour with his friends.

Local exhibitors at Cincinnati say that convention trade was very good as to number of orders, but that big buyers were conspicuous by their absence. The conventions need more of the big retailers in attendance. How

to interest them—that's the question.

A new outlet for flowers is always a pleasant item to chronicle. Growing facilities tend to increase much faster than agencies for distribution. Two new ones will start up this month, namely, J. F. Leary (formerly of Battles) in the Hawthorne building, 39th and Lancaster avenue, opening day Sept. 4th, and F. M. Ross now at 206 East Girard avenue who will move to 13 Fourth 60th street and expects to open there Sept. 15th, if not sooner. Mr. Ross will continue the old store as a branch.

BOSTON GROWERS' MARKETS.

The annual sale of choice of stalls at the Park street Market took place last Saturday and in number of stalls disposed of, average price of same and aggregate amount received, was considerably ahead of any previous year. The capacity of the market has been increased by a re-arrangement which adds fourteen new stalls.

The Music Hall Market sale of stalls was held on the same date. It was much the biggest sale they have ever had. Although the first choices brought lower figures than they did last year the prices were steadier and average premium paid was considerably higher. It is expected that this market will move on October 1st to the basement of the new building now being completed at No. 2 Park street.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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AMPELOPSIS.

A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprengeri, 2-yr. clumps from bench, nice plants, \$5.00 per 100. Baldwin Greenhouses, Foxboro, Mass.

Asparagus Sprengeri, extra strong plants. John F. Flood Co., Dedham, Mass.

ASTERS.

J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

AUTOMATIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
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"Begonia Gloire de Lorraine," strong stuff ready for 4 inch pots, \$15.00 per 100, \$140.00 per 1000; extra large plants from 4 inch pots, \$35.00 per 100.
New Begonia "Pres. Taft," strong plants, \$25.00 per 100; extra large plants from 4 inch pots, \$50.00 per 100. All propagated from leaf cuttings.

Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschel Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

The Castle Co., 170 Summer St., Boston.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thornburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lilies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Pottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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The E. G. Hill Co., Richmond, Ind.
Field Carnations.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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I. M. Rayner, Greenport, L. I., N. Y.
Field Grown Carnations.
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Hjalmar Hartmann & Co., Copenhagen, Denmark.
Carnation Comtesse Knuth.
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J. L. Dillon, Bloomsburg, Pa.
Carnations Field Grown.
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Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
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CARNATIONS—Continued

UNUSUALLY FINE STOCK.

White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

Carnations, field grown; 500 Enchantress, 500 Mrs. Nelson, 500 Queen, 500 Fenn, good plants, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

5000 Field-grown Carnation Plants, No. 1 stock; White and Pink Enchantress, White and Pink Lawson, Lady Bountiful, White Perfection, Victory, H. Fenn, \$5.00 per 100. R. Engelman, Pittsfield, Mass.

BEST YELLOW CARNATIONS in the market. Canary Bird, 1000 surplus, large field plants. \$2.50 per doz., \$12.00 per 100; not more than 100 sold to any one. Every retailer should have a few. Queen Louise, Harlowarden, P. Imperial, Patten, Enchantress, White Enchantress, at \$6.00 per 100. Henry Schrade, Saratoga Springs, N. Y.

CHRYSANTHEMUMS

B. G. Hill Co., Richmond, Ind.
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C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

A. L. Miller, Jamaica, opp. Schenck Av., Brooklyn, N. Y.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUSTOM HOUSE BROKER

Fredk. H. Griffin, 88 Broad St., Boston.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN.

R. & J. Farquhar & Co., Boston.
Giant Strain.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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DECORATIVE PLANTS—**Continued**

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Robert Craig Co., Market and 49th Sts.,
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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W. B. Whittier & Co.,
South Framingham, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St.,
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The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
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Jardinere Ferns, 6-7 best varieties, \$3.50
per 100; \$30.00 per 1000. Rose Hill Nurse-
ries, New Rochelle, N. Y.
For page see List of Advertisers.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle
Manure.

German Kali Works, 93 Nassau St., New
York, N. Y.
Potash.

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Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.

FLORAL PHOTOGRAPHS

Floral Photographs, Foley's, 226-228 1-2
Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

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Boston.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

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FLOWER POTS

W. H. Ernest, 28th and M Sts.,
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.

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The Peters & Reed Pottery Co.,

Red Pots, Seed Pans, etc.

Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.

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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

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George Cotsonas & Co., 50 W. 28th St.,
New York.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
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GLASS

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Standard Plate Glass Co., 26-30 Sudbury
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Sharp, Partridge & Co., 22d & Lumber Sts.,
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Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

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A. T. Stearns Lumber Co., Neponset,
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King Construction Co., N. Tonawanda,
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J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss House and
Iron Frame Houses. Lord & Burnham.
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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George Cotsonas & Co., 50 W. 28th St.,
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Rice Bros., 115 N. 6th St., Minneapolis,
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HEATING APPARATUS

Lord & Burnham Co.,
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Kroeschell Bros. Co., 466 Erie St., Chicago.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham
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HOME CORRESPONDENCE

Home Correspondence School, Dept. H.,
Springfield, Mass.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

HYDEANGEAS.

American Everblooming Hydrangea (H.
Arborescens Grandiflora alba), heavy two-
year plants for agents' use. Peonia Fe-
stiva Maxima and Queen Victoria, low per
1000. One hundred other choice varieties
of Peonias at low prices. The E. Y. Teas
Co., Centerville, Ind.

INSECTICIDES.

Nicotinic kills all greenhouse pests.
P. R. Paethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stumpp & Walter Co., 50 Barclay St.,
New York.

Kiln-dried Tobacco Dust.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Phlla. Insecticide Co., 6117 Main St.,
Germantown, Pa.
Pullman's Insect and Worm Destroyer:
Nicotine.

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Hammond's Paint & Slug Shot Works,
Fishkill, N. Y.
Grape Dust.

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B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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Geo. E. Talmadge, Inc., Madison, N. J.

Aphline.

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

T. C. Thurlow & Co., W. Newbury, Mass.
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Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.

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KENTIAS

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A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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MASTICA

F. O. Pierce Co., 12 W. Broadway, New
York.
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NEW SPAWN

Wm. Elliott & Sons, 42 Vesey St., New
York.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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New England Nurseries, Inc., Bedford,
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W. B. Whittier & Co.,
South Framingham, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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Eastern Nurseries, Jamaica Plain, Mass.
Pinus Strobus.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordenez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

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Geo. Wittbold Co., 1657 Buckingham Place,
Chicago.

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John Scott, Brooklyn, N. Y.

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PANDANUS

A. L. Miller, Jamaica, opp. Schenck Av.,
Brooklyn, N. Y.

PANSY SEED

A. T. Boddington, 342 W. 14th St.,
New York.
Giant Pansies.

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The best Giant Pansy seed. Send for
leaflet. Chas. Frost, Kenilworth, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.
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The E. G. Hill Co., Richmond, Ind.

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T. C. Thurlow & Co., W. Newbury, Mass.
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Peonies. Finest cut flower varieties
grown. First Prize White, \$2.00 per 10;
\$17.50 per 100. First Prize Pink, \$1.25
per 10; \$10.00 per 100. First Prize Red,
\$1.50 per 10; \$12.00 per 100. Place your
order at once; stock will be reserved for
you. 100 other varieties to offer, write
for list. Wagner Park Conservatories,
Sidney, Ohio.

Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

Peonies, 1200 sorts, big stock. Send for
list. Largest collection anywhere. C.
Betscher, Canal Dover, O.

Peonies only, by the wholesale—best 100
varieties. J. F. Rosenfield, Westpoint, Nebr.

PHLOXES.

T. C. Thurlow & Co., W. Newbury, Mass.
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**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St.,
Boston.
Iron Pipe.

Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.
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PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers. Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenlis.
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Primula Kewensis.

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Primula chinensis, 9 colors mixed, 2
inch. 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

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American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SMILAX

Smilax, strong, 2 1/4-in., \$1.50 per 100;
\$10.00 per 1000. Cash please. **Wm.**
Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. **Lager &**
Hurrell, Summit, N. J.

SPRAYERS

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Deming Spray Pump.
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STEVIA

Stevia, 2 in., 2 cts. Double Alyssum.
2 in., 2 cts. Cash with order. **O. C. Day**,
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Model encased, self-rolling gear; Standard
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. **Scranton Florist Supply Co.**, 201
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WHOLESALE FLORISTS**Boston**

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Bobbink & Atkins, Rutherford, N. J.
—Price list of Vines and Climbers in pots. Very useful stock which can be planted at any season.

Thomas J. Grey Co., Boston, Mass.—
Bulb Catalogue, 1909. Price list of bulbs for fall planting and miscellaneous horticultural sundries.

Hjalmar Hartmann & Co., Copenhagen, Denmark.—Prospectus of Danish lily of the valley, and Comtesse Knuth carnation for September delivery.

Dingee & Conard Co., West Grove, Pa.—New Guide to Rose Culture and Bulb Growing, Fall, 1909. Colored illustrations of hyacinths and Charles Dingee rose adorn the covers.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, Autumn, 1909. The usual enticing contents. Cover shows peony Marie Lemoine on front and standard single early tulips on rear.

J. M. Thorburn & Co., New York City—Bulb Catalogue for 1909. Compares favorably with past publications issuing from this old reliable house. The cover is rich but unobtrusive in color and design.

Eastern Nurseries, Jamaica Plain, Mass. Henry S. Dawson, Mgr.—Early Autumn List. This includes a special price list of evergreens for early fall shipment and hardy herbaceous plants of the choicer sorts.

Burbank's Experiment Farms, Santa Rosa, Cal.—Descriptive List of the New Burbank Giant Amaryllis; 136 varieties are listed with brief descriptions. The present stock of each is given and each variety is offered outright. The illustrations which are given show a very fine type of flower.

ROYAL HORTICULTURAL SOCIETY.

The hall in Vincent Square was again, on August 17, ablaze with color, the tables being filled with a profusion of shrubby phloxes, gladioli, gloxinias, cut sprays of flowering shrubs, clematises, cannas, hardy fuchsias, herbaceous perennials and a good assortment of orchids, including many fine cattleyas and hybrid laelio-cattleyas from the trading houses, and a capital display of codiaeums (crotons).

Orchids.

Messrs. Sander & Sons came out strongly with these plants in much variety. The more remarkable were the following: *Cypripedium Uitor*, a cross of *C. Lawrenceianum* and *C. Sanderianum*. The flower has the long, drooping petals of the *Selenipediums*, and a brown pouch of constricted shape, a dorsal sepal of a greenish color with erect lines on it, of a black-brown tint; the petals twisted and narrow and furnished with dark colored spots. *Cypripedium Olga* Bagshaw possesses likewise a dorsal sepal of fine proportions, white, with a purplish tinge about the central area, the petals of a varnished brown color. *Dendrobium Regium* has flowers of a pleasing, rosy purple tint, and a throat of a shade of yellow; and is very free to flower. *Laelio cattleya Digbyanas* were many and the more striking were *L. c. Digbyana Mossiae*, a light purple flower, of a deeper tint in the sepals and petals and a lip gracefully fringed in the *Digbyana* manner; *L. c. Blechleyensis*, a very fine variety having a labellum of rich purple; *L. c. Berthe Fournier*, a cross of *L. c. elegans* and *C. Dowiana aurea*. The flower possesses rosy purple petals and sepals and a purple lip, the petals and sepals being folded inwards, rather spoiling their effect. *L. c. Digbyana gigas* was a striking variety with the *Digbyana* fringed lip. A splendid spike of *Odontoglossum crispum Harryanum* was remarked, with much brown spotting on a milk-white ground; also *Odontioda Bradshawiae*, with sepals and petals of a pinkish orange, and the tips pale flesh color. *L. c. Nysa* is a flower with a lip of an intense purple shade, sepals voluted, and petals outspread, wavy at the edges and of a light purple tint. *Brasso-cattleya Pluto* excels in a strikingly pale brown as regards the petals and sepals, the lip fringed as in *Brassia*, purplish at the base, merging into cerise at the margin.

Messrs. Charlesworth & Co. exhibited some fine orchids, notable being *Cattleya Venus*, the lip of which is of rich purple with lines of orange running down the tube; sepals and petals lemon yellow. *Trichopilia Turialon* has flowers of canary yellow, with a green tinge on the sepals and petals, the throat colored orange. *Angraecum Rothschildianum* is a dwarf species with depressed white blossoms, with some green color in the throat.

Messrs. Stuart Low & Co. showed a very splendidly bloomed plant of *Odontoglossum Rolfae*, the individual flowers measuring 3 inches in diameter; *Cattleya Pittiana* is a variety with creamy white sepals and petals, a lip reticulated with purple, and a bright yellow throat; *Cypripedium gigas Cordean* variety is a robust growing

plant, having a dark brown pouch and sepals, the dorsal one being white with a green central area.

H. S. Goodson exhibited *Laelio-cattleya Black Prince*, a flower having a fine purple colored lip, and rosy purple sepals and petals (award of merit). He likewise showed *Odontoglossum Goodsoni*, a cupped flower, white, with spots of rich brown and eight of the flowers on one spike (first-class certificate).

Messrs. Moore, Ltd., showed *Dendrobium acuminatum*, having a flower stalk one foot high, surmounted with a number of closely set, rosy-red flowers, the central parts being the deeper in color (first-class certificate). This firm were likewise exhibitors of *L. c. Jason*, the flower of which has a rich purple labellum waved at the edge, the sepals and petals being lemon yellow (award of merit).

Two dozen plants of *Disa grandiflora*, in flower, from Mrs. Bischoffsheim created quite a sensation among the visitors. A very interesting exhibit consisting of hardy flowering shrubs and climbing plants was contributed by Messrs. J. Veitch & Sons. This included several forms of *Buddleia variabilis*; *Clematis Countesse de Brouhard*, rosy purple; *C. Colette Deville*, rich purple; *C. La France*, bright blue; several species of *Hydrangeas*, including *H. Japonica tricolor*; very finely flowered growths of *Eucryphia pinnatifolia*, numerous species of *Hypericum*; *Clethra canescens*, a plant with white, terminal flower spikes, eight inches in length, showy and striking in appearance; *Amygdalus dulcis pupurea* with reddish-purple foliage; several distinct looking *Spiraeas*, *Coriaria terminalia* bearing semi-transparent yellow berries, etc. This firm were exhibitors also of a nice lot of small plants of *Amphicome Emodi* in bloom; of a pretty, very dwarf and floriferous *Begonia* with closely double, scarlet flowers, named *Washington*; of *Canna indica* in fine bloom, the variety *King Humbert* obtaining an award of merit; and a batch of *Primula obconica rubra* improved, finely bloomed, the color being a lively pink.

Mr. E. Patten showed a double flowered *Pelargonium Paul Crampel*. It was sure to come. Hardy herbaceous perennials were most abundantly shown in the cut state by the trade, also phloxes, gladioli, *Fuchsia riccartoni* in variety, hollyhocks, etc.

Messrs. H. B. May made a creditable display with crotons, nicely grown and colored highly.

FREDERICK MOORE.

BUSINESS CHANGES.

Vancouver, B. C.—Swires & Fatkin have purchased the Hazlewood Nursery.

Jacksonville, Fla.—The newly incorporated company, Mills, the Florist, met on August 18 and elected C. D. Mills president and C. L. Whipp, secretary and treasurer. The general offices of the company will be on Forsyth street.

Chicago.—A sad accident occurred at the J. A. Budlong place on the north side of the city, Aug. 27th, during a severe storm that passed over the city at that time. Three laborers took shelter under a tree which was struck by lightning and all were killed.

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During Recess

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The Association's Second Annual Clam Bake will be held at Duer's Whitestone Pavilion, Whitestone Landing, L. I., on Thursday, September 9th, 1909.

The members and their friends will meet at the Long Island Depot in Long Island City, and there take the 10.31 train to which the Association's special cars will be attached. A breakfast will be served at noon time, and the clam bake will be served at 5.30 p. m. The Committee has arranged many kinds of amusements, and expects to make this the pleasantest event of the year. There will be a large number of prizes to be contested for by both gentlemen and ladies.

The price of tickets is \$3.50 for ladies and \$4.00 for gentlemen, and the same includes transportation charges, breakfast, clam bake, etc. If you desire to attend, kindly forward your check to the secretary, Mr. Wm. H. Siebrecht, Jr., 277 Broadway, New York City, and state what kind of tickets you wish, and he will immediately mail you same. An early response will enable the committee to greatly facilitate matters.

The committee consists of A. L. Miller, Herman Schoelzel and Alfred L. Zeller.

HARDWOODED PLANTS.

The usual custom of placing all hardwooded plants outdoors for the summer, placing them under the shade of adjacent trees that are sometimes insect infested, and where the plants do not get fresh air in nearly sufficient amounts, is not always the best that could happen. Growers who practice this look on the summer as a troublesome period in the life of their Azaleas, Genistas, Heaths, Boronias, and similar stock that has to be bridged over somehow, and lumping them all together with Oleanders, Orange trees, and other stock equally misused seems the easiest way out of it. Heaths and Boronias treated this way never flower satisfactorily as the wood is soft and immature. They should be plunged outside in the sun with their roots and pots safe from the scorching heat in plunging material kept moist by occasionally spraying and keeping the top loose. During the very hottest part of the summer these plants can be kept right this way, though a light shade from the midday sun at such times is an advantage. Azaleas need more shade than Heaths, and as the flower buds are already set in the growth the ripening process need not be so severe. The tree shade may do all right for them provided the position is one in which the air can circulate freely among them. Rhododendrons may be similarly treated.—Journal of Horticulture, London.

Springfield, Ill.—Mr. L. F. Swift is remodelling the extensive grounds of his summer home at Lake Forest, Ill., and will greatly improve them. He has secured a gardener from England who will assume his duties in the near future.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

WANTED—Plantsman with experience in growing choice pot plants. Wages, to start, \$12.00 per week. Address, with copy of references, experience, etc., "Horticulturist," Hamilton Place, Boston.

SITUATIONS WANTED

WANTED—Position as superintendent of a country estate or farm. Long experience in the culture of fruits, flowers, vegetables, and general farm crops; also in the care of trees, shrubs, lawns, avenues, cattle and poultry. Highest references. Address Experience, care of HORTICULTURE.

GARDENER wants position. No children; age 36; first class lawnsman, hedge trimmer, vegetable grower and care of grounds. Everything to make a place beautiful. Can furnish best of references. State wages when writing. W. H. M., 113 W. Florida Ave., Atlantic City, N. J.

SITUATION WANTED as Florist by young man with 10 years' practical experience; thoroughly capable. 25 years old. Good references. Address Stephen Burton, care Dr. Givens, Stamford, Conn.

Situation wanted by Gardener, private or commercial; employed now and for past 12 years with a leading New England nursery. At liberty November 1. Address, James Ganley, 5 Winthrop Ave., Reading, Mass.

A young lady who is unable to continue her studies because of financial difficulties, wishes to obtain employment as a florist. Address L. M. D., J. Raeburn Terrace, Newton Highlands, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

BOILER FOR SALE: 3 ft. diameter, 11 ft. long. Good bargain for greenhouse boiler. For particulars address "Engineer," 11 Humphreys St., Dorchester, Boston, Mass.

FOR SALE—At Southampton, L. I., ½ acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

Buffalo.—J. B. Wiese, the market florist, and daughters, also Wm. Sievers and family have returned from their trip abroad.—J. Rowland Cloudsley is making extensive improvements in his up-to-date flower shop.

DESTROYING THE CABBAGE WORM.

A number of Pennsylvania cabbage growers wrote to Prof. H. A. Surface, the State Zoologist, for instructions in regard to destroying the cabbage worm, which has become quite a serious pest of the cabbage crop. For the benefit of all growers, State Zoologist Surface has given out the following information:

"The cabbage worm is most easily destroyed by the use of an arsenical application. Most of our successful cabbage growers use about two pounds of arsenate of lead in 50 gallons of water, or one pound of paris green in the same amount of water. The arsenate of lead sticks better than the paris green, especially on cabbage leaves, and is to be preferred. The liquid bearing the poison should be blown well around the cabbage leaves with a good fine spray nozzle, applying it as a fine mist but not in drops. It sticks much better when put on in a fine mist than when poured on from a sprinkling can or otherwise applied in drops.

"If it be not convenient to apply the poison as a spray it can be mixed with thirty times its bulk of paris green or air-slaked lime, and applied as a dust. The best results from this will come from making the application in the evening, or in the morning while the dew is on. The use of arsenites in the dust or powdered form is recommended, especially on small premises where the owner does not have a spray pump.

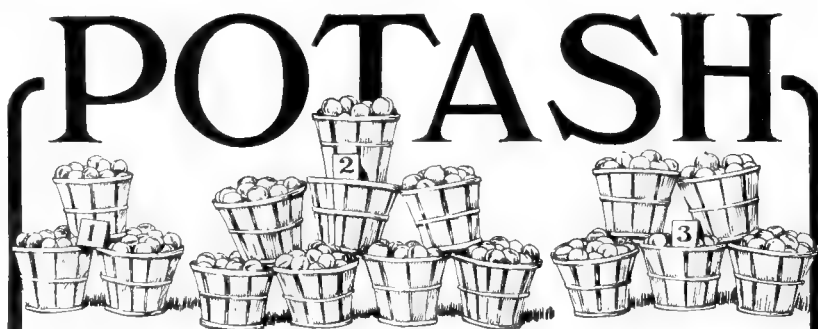
"There is no need to fear poisoning consumers by applying arsenical poisons to cabbage for the cabbage worms. The heads form from the inside and the constant tendency of the growth is to spread or open the poisoned leaves, and thus they are gradually removed. Also a few of the outer leaves are removed in preparing cabbage for the table, and thus whatever poison may adhere to it is taken away.

"I have never known of a case of a person being poisoned by the spraying or dusting of cabbage, and, indeed, it is estimated that it would take two or three hundred heads to carry enough poison to have any serious effect on a person. The extensive growers all over this state resort to poison to keep the chewing pests in check, and especially apply this for the green cabbage worm, the same as for the potato beetle."

WOOD CONCRETE AND XYLOLITH.

Under "Questions and Answers" in Die Gartenwelt for August 14, the reader is introduced to materials for the construction of dung bed frames, which have as yet not been greatly employed for this purpose.

Wood concrete (Hobzeton) or Xylolith is to be highly recommended for forcing frames and pits built partially under ground. It is of unproved durability, since it is unaffected by moisture or acids. Edges and corners liable to be damaged by blows must be protected by having sheet zinc or other metal nailed over the surface. Finished Xylolith can be purchased of the manufacturers of various sizes of plates. The home manufacture of these plates is not to be recommended, as few persons have the necessary high power presses. With the so-called wood cement now much employed in the construction of roofs in Germany upon which roof gardens



From Plot No. 1
No Fertilizer

1 Baskets per Tree.
Rate, $3\frac{1}{4}$ tons
per Acre.

From Plot No. 2
Nitrogen, Phosphoric
Acid and POTASH
8 Baskets per Tree.

Rate, 10 Tons per Acre. Increase,
 $6\frac{1}{4}$ Tons of Peaches per Acre.

From Plot No. 3
Nitrogen and
Phosphoric Acid
5 Baskets per Tree.

Rate, $6\frac{1}{4}$ Tons per Acre. Increase,
 $2\frac{1}{2}$ Tons of Peaches per Acre.

Details of the above actual test and also of many other tests will be sent upon application

The Quality and Quantity of Peaches

is decidedly improved by the use of Potash, which invigorates the stock and gives higher color, sounder flesh and better flavor. Proof is plenty that Potash Pays. Add enough Sulfate of Potash to your commercial fertilizer to make the Potash run 10 to 15 per cent.

Write for Valuable Literature prepared by Experts

GERMAN KALI WORKS, 93 Nassau Street, New York
CHICAGO—Monadnock Block

ATLANTA—Candler Building

may be laid down, the matter is different. This wood cement is a black pitch-like mass which readily melts when heated and is very tough and plastic. The floor is constructed in the following manner: Coal tar is heated in a boiler, and by means of a sieve 500 gr. sulphur and 50 kilog. cement are added until the mass can be used with a brush. To 50 kilog. tar are added 80-90 kilog. cement. The roof that is to be covered is then thinly strewn with sand, and covered with tough paper, upon which is placed the first coat of the wood cement, then follow one, two, three and four layers of paper, and each gets its coat of wood cement. As a finish a layer of coal ashes is sifted over the surface and lastly a layer several centimetres thick of sifted, broken granite, flint or fine gravel.

NEWS NOTES.

Allentown, Pa.—Kroninger Bros have installed a new 150 h. p. boiler.

Spokane, Wash.—J. Reshoft has started in the greenhouse business at the foot of Five Mile Prairie.

New York, N. Y.—H. J. Hoffmeier, florist at 2297 Broadway, has filed a petition in bankruptcy: Liabilities, \$8,018; assets, \$583. Wm. Lesser has been appointed receiver.

Green Bay, Wis.—Carl Meier has equipped his greenhouses with hot water heating apparatus and is extending his down town salesroom in order to secure more space for display.

New Bedford, Mass.—The Bates greenhouses leased by Napoleon Lemay were nearly destroyed by fire on August 26. Mr. Lemay's loss will be about \$500. He was asleep in one of the houses and saved only the clothes he was able to throw on in escaping.

We hear some splendid reports concerning the new insecticide, Aphine, which is being advertised in these columns. Eminent gardeners and entomologists have already been quoted in strong approval of its efficiency, and now comes Charles H. Totty with an exhaustive report of the highest en-

dorsement of its effect on mealy bug and red spider in the grapery, scale on cattleyas and calanthes and black, green and white flies generally.

ALL APHINE CAN DO Is Yet Unknown

Latest Discovery: That it is an effective insecticide for the destruction of the Aster Bug and Honey Dew.

IT DESTROYS

almost instantaneously such pests as Aphids, Thrips, Red Spider, Mealy Bug, Caterpillars, Slugs and Scale.

Mr. Charles H. Totty's report of an exhaustive test, concluding with

"To sum up, Aphine will do all you claim for it and more; and so long as you can maintain a uniform product, you have my hearty support in the sale of your insecticide."

will be published in full in these columns as soon as increased facilities under way are completed for the manufacture of Aphine, to promptly supply the demand which is exceeding the present capacity of production.

One part Aphine to forty parts water.

\$2.50 per gallon; \$1 per quart.

Manufactured by

George E. Talmadge, Inc.
MADISON, N. J.

PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

PRICE

1 lb.....20c	25 lbs.....\$1.50
5 lbs.....35c	50 lbs.....2.75
10 lbs.....65c	100 lbs.....5.00

NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphs, Green Fly and other greenhouse pests.

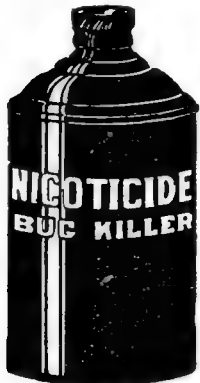
This solution is put up in

1/4 pt. cans...at 25c	1 pt. cans...at \$ 1.40
1/2 pt. cans...at 50c	1 qt. cans...at 2.75
3/4 pt. cans...at 90c	1/2 gal. cans at 5.00
5 gal. ca s.....	at 40.00

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Bloom Saver

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the tobacco
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Dusting or
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25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

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THIS KILLS MILDEW EVERY TIME

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ROSE GROWERS
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GRAPE DUST is excellent to check Spot on Chrysanthemums and Black Fly, also all sorts of Mildew on Roses, Vegetables under glass, etc. It is put up 5, 10 and 25 lb. bags, in kegs and barrels. It is extensively used at the present time in the United States. Sold by the Seedsmen of America.

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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

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Which Spray Pump

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DEMING SPRAYERS
and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

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"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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931,037. Heating System. John Collis, Newark, N. J.
931,171. Pipe-Coupling. Thomas E. Williams, Punxsutawney, Pa.
931,296. Pipe-Coupling. William H. Gammon, Pittsburg, Pa.
931,387. Fulcrum Attachment for Forks and Spades. Samuel L. Conde, Cleveland, Ohio.
931,511. Cutter-Thimble for Grape and Other Picking. Alva M. Southworth, Cucamonga, Cal., assignor of one-half to George R. Thayer, Riverside, Cal.
931,527. Attachment for Lawn-Mowers. Oscar S. Tuttle, Randolph, N. Y.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

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Freeport, Ill.—John Bauscher, one house.
Allentown, Pa.—J. H. Sykes, house 20 x 130.
St. Louis, Mo.—John Myflot, range of houses.
Jamestown, O.—Adsit Greenhouses, two houses.
E. Defiance, O.—Carl Scharfenberger, one house.
Wilkes Barre, Pa.—G. Baumann, house 30 x 200.
Sterling, Ill.—Sterling Floral Co., house 24 x 120.
Milford, Ia.—Milford Nurseries, three houses, each 16 x 40.
White Marsh, Md.—R. Vincent, Jr., & Sons Co., two houses.
Des Moines, Ia.—J. S. Wilson, two houses, 20 x 185, 24 x 200.
Grand Rapids, Mich.—Bruinslot & Sons, two vegetable houses.
Toledo, O.—Krueger Bros., three carnation houses, each 30 x 256.
Springfield, O.—G. Schneider, three houses, each 24 x 150; old houses moved and re-erected.

to-date information concerning the Experiment Stations, a review of events and progress, statistics, etc. There are twenty-three popular papers, freely illustrated, some of the bird and fruit illustrations being in natural colors. Altogether it makes a volume of 822 pages.

INCORPORATED.

St. Louis, Mo.—A. Brix Floral Company: Adolph Brix, Auguste Brix, A. Biery; to do a general floral business; capital stock, \$15,000.

Georgia Pecan Groves Company, Chicago; capital, \$2,500; general nursery and fruit business; incorporators, Geo. C. Mastin, Charles D. Fuller, Arnett Stubblefield.

IRON PIPE

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Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 9 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 2 3/4 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
456 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
810 5 1/2 " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

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STANDARD FLOWER POTS

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28th & M Sts., Washington, D. C.
PUBLICATIONS RECEIVED.

Missouri State Board of Horticulture. Second Annual Report.—Contains the proceedings of the Summer Institute held at Mountain Grove, June 2, 3 and 4, 1908, and of the Winter Institute held at Columbia, January 5, 6, 7 and 8, 1909, in connection with "Farmers' Week." Edited by W. L. Howard, secretary. The western fruit grower will find in this volume of 330 pages much valuable information. Many half-tone illustrations are included.

The Iris Manual, by C. S. Harrison, York, Neb., is a pamphlet the 32 pages of which sparkle with the enthusiasm of this inspired lover of fruits and flowers who has done more, probably, than any other writer to preach the gospel of Nature's beauty among the people of the bleak northern prairies. The book is concise, practical and worth much more than the price (25c.) to any garden patron. Order from the office of HORTICULTURE.

The Year Book of the Department of Agriculture for 1908, the most important document published by the department, has been sent out. As usual, it covers a wide scope and diversified topics included under the general work of the department, a review of the activities of the year as reported by the secretary, a series of papers by scientists and experts in the main branches of the department, up-

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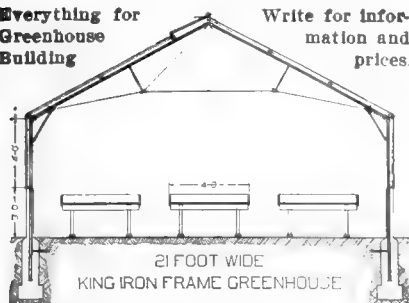
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In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

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CYPRESS SASH BARS
82 feet or longer
HOT BED SASH
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ERECTED AND EQUIPPED COMPLETE IF DESIRED

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THE ADVANCE MACHINE

the best on the market. As part proof of this eighty-two machines were booked for prompt shipment the week following the S. A. F. Convention at Cincinnati. The best of material, easiest service, and right prices bring the orders. Why not yours? Pipe carriers with steel hooks—the best on the market at 6 to 11c all complete. Send in your orders.

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MOST LASTING—LEAST EXPENSIVE

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Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

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Distinctive Greenhouses

To most people a greenhouse is just a greenhouse—a long, low, glass covered building, unimportant except for what it contains. They all look alike. But ours are made with a beauty of design and a conformity to their surroundings—it is just this, (next to utility), to which we devote great care.

This one we built at Chestnut Hill, Pa.—a simple, well designed, attractive layout, in every way practical. Steel frame construction.

Our circular shows numerous others just as attractive—send for it.

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WE don't mind admitting having been a bit slow in adopting the Curved Eave House, but we had our reasons. There were certain rather serious construction defects in other curved eave houses, which we were bound to completely overcome before we sold a single house.

Even the houses we sell you now are a great improvement over the first ones we built. And that's our way of doing business; first we are sure of a thing—and then we go ahead—and after that, keep on improving it.

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FROM THE INSIDE—OUT

You know there is not a house built today, no matter what the construction, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Just look at this side view! You never saw anything like it in any other house! It is the patented U-Bar Construction that makes such an interior possible. At no points are there heavier roof supporting members than you see right in this interior, and all these are galvanized steel, aluminum finished.

If you want a house that you can show to your friends with the satisfaction of knowing it is the lightest and most attractive, "the best there is," then the U-Bar is the house for you.

It might be well to drop us a line at once.



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DESIGNERS AND BUILDERS OF



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HORTICULTURE

Vol. X SEPTEMBER 11, 1909 No. 11

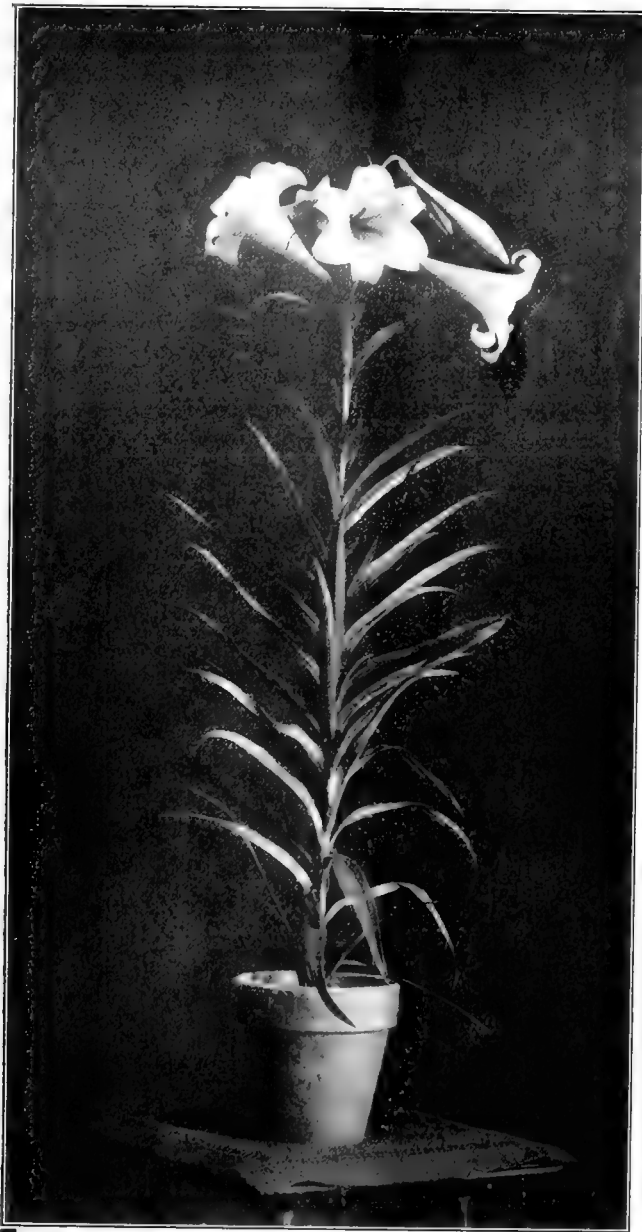


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Forced for Easter, 1909.

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You are in business to make money — so are we. Perhaps it has not occurred to you that the relation between the importer and consumer is such that it is to the importer's interest to help the consumer make more money. Whether the reason be selfish or not matters little. It does not in any way affect the sincerity of our purpose in rendering efficient service to our customers by careful and prompt execution of their orders, thereby advancing the value of our goods to our clients and promoting their sale.

We do not aspire to sell cheaper than others, but to furnish the best bulbs the various growers can produce. We honestly believe if you would **buy some of our best bulbs** you would be so impressed with their superior quality, that you would insist upon getting the same brand in future. Horseshoe Brand bulbs are produced by the very best growers in their respective sphere and they will average the highest returns. **Ask the man who grows them.**

It is about time for Japan lily bulbs and if you have not already bought some of our Horseshoe Brand bulbs, it will pay you to try a case or so of our best. They are not cheap but they are good. There is as much difference in some bulbs as between a buzzard and a bird of paradise. **DO YOU WANT BUZZARDS?**

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GERANIUMS

**Special Offer For
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105 Double Geraniums, 7 each of 15 Varieties, our selection from those listed in our 1909 Geranium catalogue as New Varieties of Special Merit. by Express Prepaid, for \$4.00. 1000 Not Prepaid, for \$25.00. 100 in 20 Standard Varieties, Prepaid for \$3.00. 1000 not Prepaid for \$18.50. Cash With Order.

Don't forget we are preparing to furnish you with the very best Geraniums grown, in 2 in. pots and at the right price. November and December prices ready for mailing. An immense stock ready for immediate shipment. \$2.00 per 100 and up.

A Cordial Invitation is extended to all interested to attend our Third Annual Dahlia and Geranium Show, September 28-29-30, Oct. 1. Come to Cowenton B. & O. R. R. Trains leave Camden Station Baltimore, 8.10 and 11.50 A. M., 2.10 and 5.00 P. M. 24th and Chestnut Sts., Philadelphia, 8.15 A. M. daily during the Show.

R. Vincent, Jr, & Sons Co., WHITE MARSH, MD.

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New Hardy

Yellow Border Carnation "Comtess Knuth"

Splendid cut flowers from July to November.

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Jersey ones illustrated in HORTI-
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them at bargain prices.

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hardy everywhere. We have a fine
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16 Acres for Fall Delivery.
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PINUS STROBUS

White Pine

	Per 100.
3 to 4 ft. XX with ball.....	\$50.00
4 to 4½ ft. XX with ball.....	70.00
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5 to 5½ ft. XX with ball.....	125.00
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7 to 8 ft. XX with ball.....	225.00
8 to 9 ft. XX with ball.....	300.00

We have a very large and fine block
of Pinus Strobus in the larger sizes,
and are confident that our stock is finer
than any in New England. We shall
be glad to give special prices on large
lots, by mail.

Eastern Nurseries,
Jamaica Plain, Mass.

Promising Shrub Introductions at the Arnold Arboretum

While the well-known Bladder Senna, *Colutea arborescens*, is out of bloom or bears only a few flowers together with its peculiar bladder-like pods, the *Colutea cilicica*, a species from Asia Minor recently introduced shows its numerous clusters of yellow flowers. The *C. cilicica* was brought into cultivation some years ago under the name of *C. melanocalyx* which, however, belongs to a different species; afterwards it was called *C. longialata*, but quite recently it was found out that it is the previously described *C. cilicica*. It is a bushy shrub, resembling *C. arborescens*, but apparently lower and with the foliage of a distinctly pale bluish green color. The flowers are clear yellow and appear when the other species of *Colutea* are out of bloom.

A very late flowering shrub which just now begins to open its first flowers is *Elsholtzia Stauntonii* recently introduced from northern China by Mr. J. G. Jack of the Arnold Arboretum. It is a bushy plant, more half-shrubby than really shrubby, from three to five feet high with numerous upright stems bearing at the end many dense lilac spikes from four to seven inches long; the small and slender individual flowers are two-lipped with long protruding stamens and styles. The lanceolate leaves are from four to six inches long, glabrous and coarsely serrate; when bruised they exhale an agreeable mint-like odor, which betrays at once the fact that it belongs to the same family, viz., the Labiatae. Though the shrub is not very showy, it makes a pleasing effect, when covered with its lilac flowers and its late flowering time renders it the more valuable. It has proved perfectly hardy at the Arboretum.

Though not new the little known *Vitex incisa* from Northern China may be mentioned here as another late flowering shrub. It is of loose and open habit and reaches six feet in height or more. The graceful deeply cut foliage adds to its light and loose appearance and so do the loosely branched large flower clusters with their small violet flowers. The bruised leaves emit a spicy odor. At the Arboretum it suffers only during severe winters, but even when part of the plant is killed, the young growth flowers the same year.

A new *Lespedeza* allied to *L. bicolor* which is now in full bloom and very pretty with its large and loose panicles of purple flowers, is *L. cyrtobotrys*, a native of Corea and Japan. It differs from the former in its short and dense flower spikes which are much shorter than the leaves and partly hidden by them. The shrub is therefore less handsome and hardly of any horticultural value.

Alfred Rehder.

The Cyclamen

(See cover illustration.)

No more serviceable winter flowering plant than the cyclamen can be named for house decoration, its value being due greatly to its durability under the varied atmospheric conditions in the room and its flowering season, which extends from November until March and often April. If we take the beautiful Lorraine begonia, or the geranium and many others and try them under the same conditions, in a few days the flowers begin to drop and the foliage turns yellow, but the cyclamen has no equal either for market or private use.

As regards strain it is immaterial as all the named varieties from a reliable firm are good under a skilful grower. Seed purchased from any of the special advertisers of cyclamen seed in this paper will give good results if handled as indicated below. Mr. Donnellan, who is so successful as a grower of cyclamens for R. & J. Farquhar & Co., recommends the following method of cultivation.

The seed should be sown not later than October. The skilful grower attaches greater importance to the way in which this is sown than does the average gardener, to avoid crowding the plants. Press the seed singly into the soil about 1½ inches apart. The general rule is to cover the seed lightly and this is the greatest initial mistake. The seed should be covered to such a depth that when the small corms are formed they will be under the soil, not on the surface as is too frequently the case, and should the corms appear on the surface before they are large enough for potting they should be covered with moss to prevent their becoming dry, as the most important item in the cultivation of the cyclamen is to keep the corm elastic throughout all stages of its growth. The most common and the most unnatural method to accomplish this is to plant your corm on the surface and grow in a humid atmosphere; the other method is to bury the corm and give abundance of ventilation. Your results from the former method would be spindly leaves with flowers too high above the foliage and the plants from 6 to 25 per cent good. The results of the later method are stocky leaves, the flower just a little above the foliage and the plants 95 per cent good. When they have made four or five leaves shift them into 2½ inch pots taking care not to break any roots and remembering always to put the corms a little further down in the soil with each successive potting. A little below the crown will invariably give better results than a little above.

The plants which are intended for Christmas will be large enough for their final potting by the second or third week in July. These should not be moved into too large pots as a small plant well covered with flowers will give more satisfaction than a large plant with few flowers. Pans are preferable to pots for house decoration; if too much of the pot is seen it is unsightly and is really not necessary as just as good cyclamen can be grown in pans as in pots. The crown of the corm after

the final potting should be high enough to allow the water to run off. This is very important.

The most suitable soil is three parts loam, one of leaf-mold, and one of manure from an exhausted hot bed. This should be kept always moderately moist; if allowed to become dry or neglected for a day or two the skin of the corm will harden and as soon as water is applied, instead of swelling the corm will split open and decay will follow. As a general rule it has been recommended that cyclamens be grown near the glass but if given abundance of ventilation, which is indispensable at all times, they will grow much better on the benches where it is cooler than when grown on shelves near the glass. Frequent syringing is beneficial and a little shade is recommended in July and August.

Cyclamens, like all other plants, are liable to become infested with red spider, thrips, and green aphides. Syringing them as previously recommended is a good prevention for red spider. Paris green with a little brown sugar diluted in a sufficient quantity of water will keep down thrips if the plant is syringed at weekly intervals. The cyclamen mite is claimed to be the most troublesome of all insects and it is blamed for deforming the flowers. This is very doubtful as plants bearing perfect flowers have been grown with what was claimed to be the mite running all over them.

David Miller

European Horticulture

SHROPSHIRE HORTICULTURAL SOCIETY

The exhibitions of the above which have been held for 35 years past are events of considerable importance, and are well patronized by all classes in Shropshire and the adjoining counties. The best of garden productions may be seen at them, exhibitors being drawn from far and near, induced to enter the lists by the large amounts of the prizes offered by the society. The grape class is always well filled, but this year the exhibits were not so fine as usual, excepting those of Madresfield Court variety. In the class for twelve bunches in four or more distinct varieties, the winner of the first prize was J. H. Goodacre, gardener to Earl of Harrington, Elvaston Castle. This gardener was likewise the winner of the first prize for a decorated fruit table, viz., a champion cup of the value of 25 guineas, 20 pounds in cash and the gold medal of the society. Mr. Gibson, gardener to the Duke of Portland, with an almost equally excellent display was awarded the second prize.

Plants at this show are divided in miscellaneous plants in or out of flower, and plants possessing foliage of an ornamental character. The space allotted to each exhibitor was 250 sq. feet. In the flowering plant section Messrs. J. Cypher & Sons took the first prize. The finest group of decorative foliage plants was shown by Sir G. Kenrick. The highest prize for a specimen plant was awarded to J. Cypher & Son for a remarkable *Statice profusa* of an extra large size, and well furnished with flowers. Sweet peas were to be arranged in

glasses on a space of $3\frac{1}{2} \times 4$ ft. There were twelve competitors. Henry Eckford's class for eighteen varieties of his raising, the groups to occupy $3\frac{1}{2} \times 6$ ft. brought much competition; and Mr. Aitken, gardener at Erddig Park, was first, his collection including King Edward VII, Queen Victoria, Etta Dyke, H. Eckford, Evelyn Hemus, St. George, Mid Blue, Othello, Bobby K., etc., roses, carnations, dahlias, miscellaneous border flowers and vegetables, formed a considerable portion of the show and were not those least thought of by the country folk who flocked to the show ground.

A SPECIAL ROSE SHOW

The firm of Messrs. A. Weber & Co., Wiesbaden, instituted a display of roses which for artistic effect would be difficult to exceed; and for the benefit of the readers of HORTICULTURE is certainly very worthy of being briefly described. The main features consisted of two domed pavilions of light construction in wood, and standing on a raised base or platform, apparently about 30 yards apart, but connected by a wooden pergola for that distance. A pleasing and distinct feature in regard to these pavilions was that strong plants of climbing roses in tubs were trained over the exteriors of the domes so as to completely cover them with foliage and flowers. The varieties consisted of *Leuchtstern* in the lower parts, and *Thalia* and *Schneewitchen* at the top. At breast-height *Madame Norbert Levasseur* planted in tubs was trained at the back, an arrangement which gave an admirable finish and background to the whole. In the middle stood a charmingly arranged breakfast table with glasses filled with flowering sprays of *William Allen Richardson*. The pavilions also contained artistic objects of the florist's art, there being in one of them a great vase embedded in moss and filled with Enchantress carnations; and in the other pavilion cut flower spikes of delphiniums with Kaiserin roses. The exhibition tables standing between the pavilions were filled with an abundant assortment of cut blooms of all classes of roses. Each exhibition glass contained 8 to 12 choice blooms. The design of the wooden pergola which gave such a harmonious tone to the whole originated with the architect Herrn Kurt Hoppe. As so seldom happens, gardener and artist in this case understood how to work in ideal harmony with each other.—*Die Gartenwelt*.

ESSEN

A memorial to the late town garden director Stefen has been erected by numbers of the friends of the deceased in a retired spot, on the banks of the grand lake in the town garden at Essen. The memorial consists of a large block of granite to which a bronze plate with a successful portrait of Stefen has been fixed. The monument is flanked by prettily grouped smaller blocks of stone.

PRAGUE

The Central Confederation of Bohemian Gardeners has stated that in 1910 an agricultural, horticultural and fruit exhibition will be held in Prague. The exhibition will surround the upper portion of the Prague exhibition area with buildings; and a good picture will be presented of the present condition of gardening and fruit culture in Bohemia. Special sections will be set apart for Art, Science and Instruction. The estimate of cost comes to 105,000 kronen; and the disposable area is about 40,000 sq. metres.

Frederick Moore

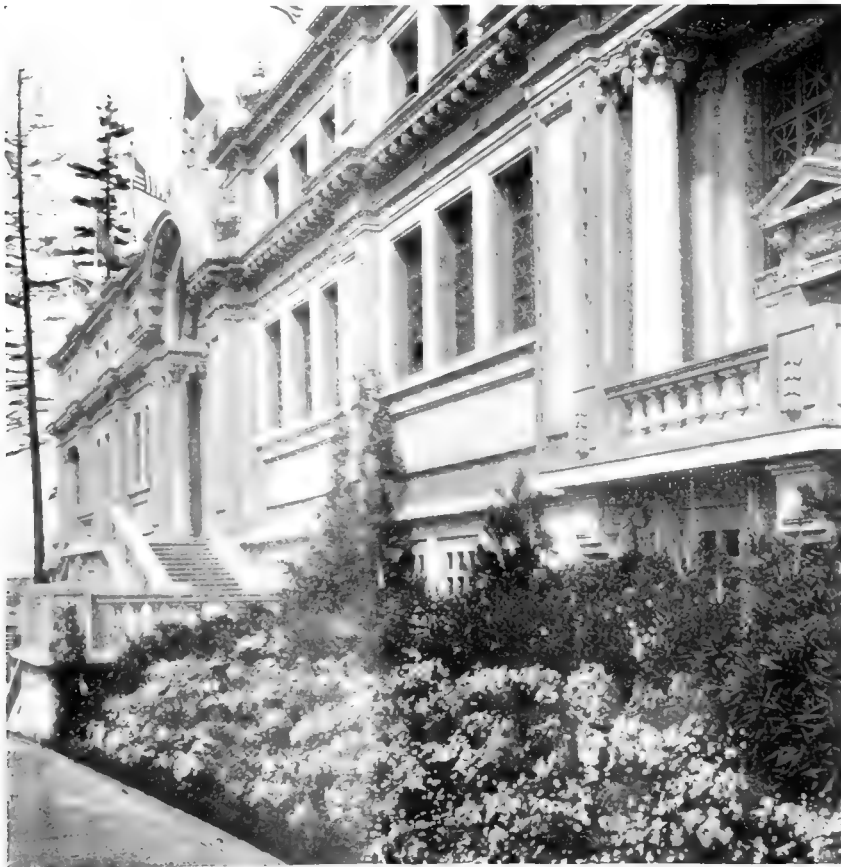
Floral Decorations at the Alaska-Yukon-Pacific Exhibition

The two pictures of the floral decorations at the Alaska-Yukon-Pacific Exhibition which accompany these lines are excellent examples of what impressed me as one of the most finished pieces of decorative work I have ever seen. One of the views, that showing the vases along the Vista, is especially good. These vases were filled with *Dracaena indivisa* and ivy geraniums. It seemed to me that the flowers were much brighter in color than they are with us in the East. The foliage and growth were also very luxuriant.

The plantings along the Alaska building, with the slopes covered with hardy pinks and canterbury bells and foxgloves were a little past their prime at the time of my visit but still beautiful. They were being replanted with petunias and Phlox Drummondii. *Calceolaria rugosa* varieties were particularly effective around the big statues near the Alaskan building. The series of waterfalls illuminated at night, the splendid rose gardens, and the formal garden were all extremely beautiful—in fact, the whole Exposition was a thing of beauty. I have never seen anything more cleverly



Vases along one side of Main Vista filled with *Dracaena indivisa* and Ivy Leaved *Geranium Roycroft Surprise*.



Slopes covered with Hardy Pinks (*Dianthus plumarius*), Canterbury Bells (*Campanula Media*) and Fox Gloves (*Digitalis purpurea*).

planned or tastefully carried out. Loveliest and most reposeful of all the floral embellishment was *Viola cornuta hybrida* in its many new forms, which was planted by millions. It is a wonder that we have not used them more heretofore. The dahlias were just coming into bloom when I left and no doubt are in fine shape by this time.

JACKSON DAWSON.

GRANDFATHER AND THE NEWS.

Grandpa was reading his paper,
Grandmother knitting by,
The gentle purr of the kettle
Stirred the silence pleasantly.
"Found any news yet, Father?"
Softly Grandmother said,
At that moment, excited, he found it
"Abe Sawyer is shingling his shed."

Knitting-work was forgotten;
Grandmother's face was aglow,
"Land, you don't tell me, Father!"
"Abe Sawyer! I want to know!"
Grandfather's tremulous finger
Pointed, "Right there!" he said,
Both old heads bent above it,
"Abe Sawyer is shingling his shed."

Tumults of man and of nature,
Crashing of nations at war,
Weighty political issues,
Perils in wait at our door
Grandfather passes them over
Hunting for news, instead,
Yes, sir, right here we have it!
"Abe Sawyer is shingling his shed."

Talk about fraud and corruption!
Tell us that newspapers lie!
Grandfather's faith is implicit,
Grandmother smiles trustingly,
This age is an age of progress,
The Golden Age, when all's said,
We're marching upward, I tell you,
"Abe Sawyer is shingling his shed."
Annie Hamilton Donnell, in *the Country Gentleman*.

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Where is that great revival of business
 Ours for that so many people have been confidently
 the taking predicting for the past few months? Is
 it a proven reality or does it still exist
 only as a fond hope—a batch of chickens yet to be
 hatched? The replies to our query would probably be as
 diverse as the character and circumstances of the indi-
 viduals replying. Many have shut off the pressure and

allowed their affairs to smoulder along, sluggishly await-
 ing the hour when "good times" shall have arrived once
 more. These men will tell you they have seen nothing
 to indicate a business revival. For others the depres-
 sion of the past has acted as an impelling force, inciting
 them to redoubled exertion with a determination blind
 and deaf to all that the grumblers have to present.
 These will tell you that there's nothing the matter with
 business. A lesson we should learn from them is that
 our success or failure for the coming season depends
 upon ourselves.

Modern business ways

Let the man of naturally timid dis-
 position and conservative policy take
 a lesson in courage from his hus-
 tling neighbor. Instead of criticis-
 ing him, imitate him and then "go him one better."
 That time has gone when a man must carry a lot of
 unsold stock on his benches and finally throw it away for
 lack of a buyer. The grower with a knowledge of mod-
 ern methods and the enterprise to adopt them, doesn't
 do things that way. When you see a little mountain be-
 hind the greenhouse, of stock which had occupied bench
 room, time, heat and labor for months, dumped because
 "nobody wants it," you can conclude that the owner
 "couldn't afford to advertise" or there was something
 radically wrong with his method of advertising, the
 price or the goods themselves. With the means of pub-
 licity which is now within the reach of everyone through
 the trade papers—**HORTICULTURE** especially—there is
 seldom any need for surpluses to accumulate or excuse
 for dumpheaps to eat up the profits of a season's labor.
 There are buyers somewhere for all of it as things exist
 today, perhaps a thousand miles away, but very likely
 just around the next corner. Reach out and you'll get
 'em.

How to "get there"

The business of the florist, nurseryman,
 seedsman, landscape gardener and allied
 industries has made an enormous growth
 within the past few years; everybody can
 see that. It will undoubtedly make a much greater pro-
 portionate growth in the immediate future; everyone
 should see that. Conservatism in reasonable proportion
 is a good safeguard in any enterprise but there is no ele-
 ment of recklessness in the presumption that there is at
 present a practically unlimited field for the extension
 and enlargement of every department of horticultural
 industry. Eighty million of the most active, ambitious
 and progressive people on earth are at our service and
 their wear and tear of the goods we produce will make
 a constant and ever increasing demand. For him who
 is awake to the opportunity and will make a bold reach
 to get his full share there is abundant prosperity ahead.
 Build more greenhouses and better ones, plant bigger
 nurseries, open new flower stores and seed stores in
 every community; read the trade papers, text matter and
 advertisements—particularly **HORTICULTURE**—and so
 hive knowledge, inspiration, ambition and method, de-
 velop your resources, advertise liberally and continuous-
 ly—especially in **HORTICULTURE**—join the club or soci-
 ety nearest to you and give them loyal support in their
 meetings and exhibitions; use every means to get posted
 on what is going on and what others are accomplishing,
 "stay on your job" and see what the next few years will
 do for you. The much lauded development of the past
 will not be a circumstance to the record of the next
 decade when it has been written.

A TRIP THROUGH BELGIUM AND FRANCE.

A VISIT TO COURTLAND.

On arriving in Antwerp, Belgium, I at once took a train for Brussels and Ghent, the home of horticulture. In the city and surrounding towns of Ghent one can find close on to twelve hundred establishments consisting of from three to two hundred and fifty greenhouses each, all growing about the same kind of stock, such as azaleas, araucarias, begonias, gloxinias, palms, rubbers, bay trees and many other miscellaneous stove and greenhouse plants.

Azaleas Higher.

Immense fields of azaleas can be seen everywhere and no one would think that they could dispose of such large quantities, but still upon going around and inquiring you will find that there is plenty of demand for them and they are asking higher prices this year than last, stating that there is a much larger demand from Germany this year on account of their stocks being frozen in May. The plants this season are hardly up to last year's stock. Most of the plants are not budded yet and many of them have been cut back too late which will make them unfit for market, but I suppose many of them will be sold just the same. Madame Petrick is very scarce this season and high prices are asked for this desirable azalea. Good early white azaleas are not plentiful. The white *vervaeneana* will be the coming variety but they are not plentiful as yet and can only be had in small sizes.

Some Good Things Coming.

Palms are about the same as last year, but certain sizes are scarce and in many places the plants are damaged, which will make them unfit for sale as first class stock. Bay trees seem to be abundant and at reasonable prices. *Acacias* in popular varieties are very scarce. In novelties there is not a large list. A *Dracaena Bruanti* variegated, promises to be of great merit but we have to prove this yet on this side of the water. A few varieties of azaleas will be seen for the first time this season; one a variety introduced by Messrs. J. B. Haerens and H. Wille is of a very pleasing color.

In Paris.

After leaving Belgium, Paris is the next in order. A visit to the trial grounds of Vilmorin, Andrieux & Co. is of great interest to any one interested in horticulture. The establishment of G. Truffault at Versailles is also a place to be visited. Here you will find a very fine collection of crotons, azaleas, begonias, orchids and many other rare stove and greenhouse plants.

The parks in and around Paris are just now looking at their best, making one feel sorry to leave. From here you take a train which carries you



"COURTLAND," POMFRET, CONN.

Among the estates recently inspected by the Garden Committee of the Massachusetts Horticultural Society, is "Courtland," the beautiful estate of Mrs. Hoppin at Pomfret, Conn., Robert Rust superintendent. The grounds consist of about sixteen acres. There is a gentle slope overlooking a beautiful ravine well wooded with fine specimens of oak, maple, spruce and pine. One broad bank of one thousand rhododendrons and five hundred azaleas, well protected with conifers, presents a beautiful appearance. The lawn is adorned with fine specimens of oak, maple, elm, beech and a number of pines. At the foot of the lawn is a tennis court, and in process of construction is a swimming pool, 60 by 30, well shaded by trees in the valley. A wide avenue winds from

the main road to the mansion, bordered with beds of rare design. One of the most unique things to be observed about the mansion itself is the method of growing English ivy on trellises fitted in between the windows. These large plants of ivy are in boxes and are removed in winter to the cold storage, and kept in readiness to be replaced in the position in the spring.

Separated from the mansion and grounds are the gardener's cottage, greenhouses, vegetable and flower and fruit gardens. The greenhouses for roses, carnations, melons, etc., are in fine condition, and the stock far advanced for this season of the year. On the whole, it is as finely kept an estate as there is in this section of the country, reflecting much credit upon Superintendent Rust.

through France, Germany, Switzerland and Italy to the Mediterranean Sea, then to Marseilles in the southern part of France. From here I went to Toulon and Hyeres. Hyeres is one of the prettiest places along the coast, abounding in palms and with a semi-tropical climate. From here are shipped large quantities of roses, carnations, violets, gardenias, and many other flowers to all parts of Europe from the open ground during winter. Palm growing is carried on here to a large extent and the plants are sold and shipped all over Europe and also to America.

After visiting a few places along the Mediterranean I took a train for Boulogne, connecting with steamer for New York, which I reached after nine days of pleasant sailing.

A. LEUTHY.

Roslindale, Mass.

Ef' yu see yer nayber turnin' th' hoz on er pil uv dishus in th' bak yard yeh kin bet hiz wif iz komin home frum hur vakashun.—Ex.

GALEGA HARTLANDII.

William Baylor Hartland writes in "The Garden" for August 28, concerning this plant, as follows:

"I am glad to notice that this beautiful plant has been brought before the floral committee of the Royal Horticultural Society quite recently, and this without any recent effort on my part, but through the head of the department at Wisley, to whom I sent a plant some years since. Now that it has obtained the award of merit, the history of its recognition here at Ard Cairn should be accredited to the late F. W. Burbidge, a man with a keen eye for anything good, from a daffodil to an orchid. He, when on a visit to Cork, pronounced it as one of the best summer border plants for color in existence. This praise was well deserved. This summer it has been very fine, and we have had it in flower since the end of April under glass, as it forms a splendid show in the large conservatory in conjunction with the beautiful new *Spirea*s Peach Blossom and Alexandria.

NEWS OF THE CLUBS AND SOCIETIES

FLORISTS' CLUB OF WASHINGTON.

One of the most pleasant and largely attended meetings of the club was held on September 7th at Eagles' Hall, Edward S. Schmid acting as host of the occasion and all the florists congratulated themselves that Mr. Schmid was "one of them." There were speakers, vaudeville features and last, but by no means least, a feast for the gods. The principal topics under discussion were the forthcoming auto-flower parade, Sept. 30th, and the fall flower show during the week of Nov. 7th. Philip Breitmeyer, of Detroit, has been selected as judge of the auto parade, and is coming accompanied by his wife. Isaac Gaus, chairman of the flower parade, is greatly pleased at the interest taken by the florists and that there will be an entry of autos decorated only in natural flowers. It will, however, be imperative to use artificial flowers too to a large extent. Many handsome prizes including the sweepstake, are on exhibition. The final schedule has been completed. All the city papers are offering prizes and the public generally is deeply interested. There are already more than 60 cars entered. The prize offered by the Florists' Club, for a car decorated in natural flowers only, is a \$50 silver cup. The committees have been appointed by President Kramer to serve both on the auto parade and the fall flower show.

The annual invitation to the club from R. Vincent, Jr. & Sons, of White Marsh, Md., was this year given for Sept. 30th, but owing to the auto parade falling on the same date it had to be declined.

FLORISTS' CLUB OF PHILADELPHIA.

Nominations for officers to serve during the ensuing year, and a review of the recent convention at Cincinnati were the features of the monthly meeting of the above club held on the 7th inst. Joseph Heacock was nominated for president; Alfred Burton for vice-president; George Craig for treasurer; and David Rust for secretary. As there is no opposition these nominations are equivalent to election. Leo Niessen gave a brief but witty account of the convention, and was followed in more serious vein by John Westcott and Robert Kift. A vote of thanks was passed to the local club in Cincinnati for courtesies extended. Mr. Kift reported that he had something very good in store for the October meeting, but was not quite ready to give particulars. A. Leuthy of Boston was a visitor.

NEWPORT HORTICULTURAL SOCIETY.

The autumn exhibition of this Society will be held at Masonic Hall, Newport, R. I., on September 18, 19 and 20. As heretofore, the schedule provides liberal premiums for group and specimen plant displays, cut flowers, baskets and center pieces, table decorations, dahlias, fruits and vegetables, and in addition to the seventy-five regular classes there are special premiums offered by Julius Roehrs Co. and a number of lady patrons in the summer colony.

NORTH SHORE HORTICULTURAL SOCIETY.

This society met on the first Friday of the month and as usual discussed incorporation, with this variation, that the society voted to become an incorporated body. W. B. Jackson was given a vote of thanks for assistance rendered the Show Committee. Julius Rhabardy was elected an honorary member.

At the meeting on the 17th of this month the subject will be "Gladioli." B. Hammond Tracy of Cedar Acres, Wrenham, will be one of the speakers.

The special prize offered by W. W. Rawson & Co., of Boston, for the winner of the greatest number of points at the recent show of the society was captured by William Swan, who had 76 points to 72 by Eric H. Wetterlow, gardener to Mrs. Lester Leland. The points were awarded on the following: Firsts to count three, seconds as two, thirds as one. R. A. MITCHELL.

NURSERYMEN IN IRELAND.

A very useful organization, the Horticultural Trades' Association, which comprises many of the leading members of the trade, has lately held its annual meeting at Belfast, Ireland. Besides the election of officers and the passing of the accounts, the members discussed several matters of moment to the trade, including the effect the proposals of the Chancellor of the Exchequer will have upon the nursery and seed trade. Under the budget proposals which have been the burning question of the hour, it is intended to place additional burdens on the land to meet the increasing demands on the nation's finances. The Trades Federation has also passed a resolution protesting against the suggested land taxes, and pointing out to the Government how the market growing industry will be prejudicially affected. The gathering at Belfast was not entirely devoted to the dry details of business. Time was found to visit the nurseries of Messrs. Alex. Dickson & Sons, Mr. Hugh Dickson, and Messrs. McGredy & Son, who have gained renown for their roses. From this part of Ireland some of the most famous roses have been raised. That their reputation in raising novelties in the future will be maintained was evidenced by the many promising seedlings which were inspected. These will undoubtedly secure additional honors for the firms in the future. Another nursery visited was that of Messrs. Smith, at Newry, where there is a remarkably fine stock of plants and shrubs, including some very rare and interesting specimens. In the three days' sojourn in the sister isle the visitors found much that was instructive, and needless to say, the hospitality of their Irish colleagues upheld the traditions of the country.

W. H. ADSETT.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Regular meetings of this club will be resumed on Tuesday evening, September 21. J. W. Duncan, who has recently returned from a tour through the far west, will address the meeting on the topic, "Some Facts About the West."

JOINT EXHIBITION IN WINNIPEG.

The provincial exhibition under the joint auspices of the Western Horticultural Society and the Winnipeg Florists' Association, was held on Aug. 25, 26 and 27, in the horse show amphitheatre. It was a huge display there being numerous entries both amateur and professional in the 275 classes comprised in the prize list. About \$1,000 was offered in premiums. The show enjoyed great popularity and was a pronounced success. The arrangement of the exhibits and the general decoration of the hall were excellent. John Monson, of Minneapolis, Minn., served as judge in the floral section and gave good satisfaction.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The annual meeting was held September 2 at Holm & Olson's store in St. Paul. Officers for the ensuing year are as follows: President, Theo. Wirth; vice-president, A. Swanson; secretary, J. Jorgenson; treasurer, A. Nagel; executive committee, H. Smith, J. Olson, E. Dysinger, Prof. Le Roy Cady. Mr. Dysinger's resignation as secretary was received with regret.

The treasurer reported a balance of \$49.96 on hand. The dues of the society were reduced from \$5.00 to \$2.00 in order to induce the employees to join the Association.

CLUB AND SOCIETY NOTES.

The Palos Park Improvement Club of Chicago held a successful flower show on September 4. Many prizes were awarded.

The New Bedford (Mass.) Horticultural Society will hold their seventh annual fall exhibition in Dominique Hall, September 16, 17, 18.

A new feature at the County Fair to be held at Amesbury, Mass., will be an exhibit of dahlias for which premiums will be awarded. R. A. Amend of Danvers, W. W. Hawkes and C. H. Tucker of Amesbury, are the committee.

The exhibition committee of the New York Horticultural Society, who have charge of the fall show at the Museum of Natural History, held a meeting at the office of John Young, 51 West 28th street, on September 8th to further perfect workings, etc., and make preparations for the exhibition. Some of the members of the committee are: F. R. Pierson, chairman; Geo. V. Nash, secretary; Patrick O'Mara, John E. Lager, Joseph Manda, J. H. Troy, F. H. Traendly, Peter Duff, John Young.

The Society of Iowa Florists held the seventh annual meeting at the State House, Des Moines, on September 1. Included in the program were papers as follows: "Gladioli," by Henry Field; "Begonias," by C. W. Davison, Des Moines; "Irises," by J. T. Temple; "Dahlias," by W. M. Bomberger, Harlan; "Annual and Tender Vines for Outdoor Planting," by G. A. Heyne; "Bedding Plants in Parks," by J. T. D. Fulmer; "Plants of Recent Introduction that are of Value to the Trade," by J. S. Wilson.

N. B.—Growers With a Surplus Stock

You will find it to your advantage to ship your surplus to our AUCTION ROOMS.

Sales Every Tuesday and Friday beginning September 10th

Please notify us when the goods are shipped and we will take care of them at this end.

N. F. McCarthy & Co., HORTICULTURAL AUCTIONEERS
84 Hawley St., BOSTON, MASS.

A SUMMER OUTING.

The lover of suburban scenery could hardly choose a place for a more pleasing morning walk than over what is known as Milton Hill, in the suburbs of Boston. From the hill, which rises abruptly from the rocky bed of the picturesque Neponset river a magnificent view opens before you. The river winds in pleasing turns on its way to Dorchester Bay, and when the tide is in the lookout towards the Atlantic is grand. History lends a little romance to the scene, for here in Revolutionary days the British general and the fleet lying in the bay are said to have exchanged signals. As one proceeds down the other side of the hill glimpses of the residences of the wealthy of this neighborhood are had. Toward the East Milton end there is a fine piece of rural scenery—one of those old wayside watering places with large, overhanging willow trees where one can drive the animal right into the water and out at the other side. To me it seems to have been once the middle of the road with a brook running through, in other words a ford, but when modern traffic demanded a

wider street they swung a little to the east and bridged the brook leaving the watering place as it was. The engineer who laid out this street deserves great praise for not only leaving this fine piece of wayside scenery intact, but for the fine natural turns the road takes as one approaches it from either side.

Our destination on this day, however, was the estate of N. T. Kidder, where that famous plantsman, William Martin, has charge. During the past twelve years this place has been entirely remodelled. The herbaceous collection, which is one of the finest in the neighborhood of Boston, is planted in a rambling, informal way. Formalism seems to be avoided in everything on this estate; the shrubs are planted in irregular clumps opening up into distant vistas. Coming to the greenhouses, one finds a collection of plants rarely seen nowadays, when so many private plant houses are getting to be more like commercial places. Small pieces of all the old-time favorites that this place used to be noted for are in evidence. Mr. Martin said he would like to grow large specimens as in times past, but having to keep up the collection he cannot devote the space that they require, since he has not the amount of glass at his command he used to have. I am proud to say I spent four years under Mr. Martin's strict discipline in plant growing in the days he had to be reckoned with at the exhibitions of the Massachusetts Horticultural Society.

Leaving Milton after a profitable visit, we came to Brookline to Professor Sargent's place, where we found the veteran Charles Sander, as full of enthusiasm as ever. He showed us a new way of growing Lorraine begonias planted out in cold frame. They seemed to enjoy that mode of culture, being nice large plants with plenty of vigor and Mr. Sander says they lift well in the fall, taking hardly any notice of the shift from the frame to the pot or pan. Hippeastrums, imantophyllum and nerine are grown here in large quantities, and of course, begonias and gloxinias. At the present time Mr.

Sander has a batch of gesnera-looking plants, which I think would be valuable for the florists' trade. The leaves have a leathery substance that allows them to be tied up for shipping in a manner one cannot do with the common hybrids. In a frame, planted out, were a new strain of these bulbous plants, with enormous large, dark scarlet flowers, certainly the largest individual I have ever seen.

Outdoors, the famous azaleas were doing well, planted out in a bed. Large beds of gladiolus and phlox were in full flower. Mr. Sander thinks the American varieties of gladiolus are away ahead of the foreign ones. He had a bed of seedling phlox, many of them the equal of the named varieties. Quite a piece of ground is devoted to the Wilson introductions from North China. I should think there were thousands of seedling azaleas, and rhododendrons growing in flats in their first and second years' growth. We certainly ought to get some valuable additions from these.

GEORGE F. STEWART.

West Medford, Mass.

OVER FIFTY ACRES IN CHOICE EVERGREENS

The Framingham Nurseries offer a large and select stock of the following varieties of

EVERGREENS

Abies Balsamea, Concolor, and Fraseri; Junipers of various varieties; Picea Alba, Engelmanni, Excelsa, Pungens glauca, and Pungens Kosteri; Pinus Excelsa, Mugho, and Strobus; Pseudo-Tsuga Douglasii; Retinosporas, assorted; hardy Taxus, such as Canadensis, Cuspidata, and Brevifolia; Thuja Occidentalis, Globosa, Peabody's Golden, Pyramidalis, and Siberica; Tsuga Canadensis, Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor, Picea pungens, and Pinus Strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always a desirable. Boston and Worcester Electricians pass our grounds.

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CHRYSANTHEMUMS From Pot

Miss Clay Frick, White Shaw, Early Snow, Mrs. Jas. Marshall, The Harriott, \$3.00 per 100.

Autumn Glory, Ada Spaulding, Dr. Enguehard, Dorothy Devens, Geo. Kaib, Glory of the Pacific, Harry May, Ivory, Jeanne Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Paul Dean, Meta, Minnie Wanamaker, Mrs. Alice Byron, Mrs. Baer, Mrs. Robert McArthur, Mad F. Bergmann, Robt. Halliday, Timothy Eaton, Wm. Duckham, etc., \$3.00 per 100, \$20.00 per 1000.

Send for Catalogue of Roses, own root and grafted, and other miscellaneous stock.

WOOD BROTHERS
FISHKILL, N. Y.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.

Peonies

We also offer a superb line of IRIS, PHLOX and other PERENNIALS. Catalog free.

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Guaranteed true to name. In four sizes, strong divisions, three to five eyes, and one, two and three year plants.

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FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom.

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson **Giant Blood Red**
Giant Salmon **Giant Pink**
Giant Excelsior, White with claret base
Giant White **Picturatum**, Pink with claret base

Price per 1000 seeds, \$10.00
 100 seeds, \$1.00

R. & J. FARQUHAR & CO.
 6 & 7 So. Market St., BOSTON, MASS.

Having just returned from Europe I am now in a position to offer

20,000 AZALEAS

in leading varieties at lowest wholesale prices, also

Araucarias, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus,

150,000 Small Ferns for Dishes in best sorts

Wholesale Price List on Application.

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LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

GERMAN AND JAPAN IRIS, DELPHINIUM FORMOSUM

Write for prices

E. S. MILLER Wading River L. I., N. Y.

PEACOCK'S CELEBRATED NEW DAHLIAS
JACK ROSE and other cut flower sorts.

SEND FOR CATALOG.

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DAHLIAS Every Day in the Year

A. N. PIERSON, Inc., Cromwell, Conn.

WHITE KILLARNEY (Waban Strain)

	Doz.	100	250	500	1000	2500	5000
GRAFTED STOCK.....	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1,250.00

VIOLETS

Governor Herrick, large clumps, \$4.00 per 100, \$35.00 per 1000. Lady Campbell, field plants, \$3.00 per 100, \$25.00 per 1000. Primulas, double Alyssum Asparagus plumosus and Sprengerii, Geraniums, best var., \$2.00 per 100, \$5.00 for 500. Pansies from my well known strain, none better and Daisies (bellis), \$2.00 per 100.

J. C. SCHMIDT, BRISTOL, PA.

Chinese Primulas

Vilmorin's Finest.

From 2½ inch pots, very strong.
 \$3.00 per 100 Cash.

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KENTIA BELMOREANA
 6-in. pot, 22 to 24-in. high.....\$1.00 each
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 6-in. pot, 26 to 28-in. high.....\$1.50 each
 9-in. tub, 42 to 48-in. high.....\$5.00 each
 9-in. tub, 48 to 54-in. high.....\$6.00 each
MADE-UP KENTIA FORSTERIANA
 9-in. tub, 4 plants, 42 to 48-in. high..\$ 4 ea.
JOSEPH HEACOCK CO. WYNCOTE, PA.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Ameripohil, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

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Begonia Gloire de Lorraine

Leaf Stock, June Delivery, \$15 per 100, \$145 per 1000, from 2½ in pots

Stock guaranteed to be absolutely free from disease.

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 THE YOKOHAMA NURSERY CO.
 31 BARCLAY ST. NEW YORK.
LILIES
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Dreer's Special Offer of Araucarias

And Other Useful Decorative Plants

We have an immense stock of very fine and healthy plants grown in the open air under slat houses, and in order to reduce our stock before we have to house them, we offer for September delivery the following special values. Note size of plants offered for the price.



ARAUCARIA EXCELSA				Each
4 inch pots,	7 to 8 inches high,	2 tiers, at	.....	\$ .50
6 " "	12 to 14 " "	3 " "	.....	.75
6 " "	14 to 16 " "	4 " "	.....	.75
7 " "	18 to 20 " "	1 " "	.....	1.00
7 " "	22 to 24 " "	4 to 5 " "	.....	1.25

ARAUCARIA EXCELSA GLAUCA				
5 inch pots,	8 inches high,	2 tiers, at	.....	.75
6 " "	12 to 14 " "	3 " "	.....	1.00
7 " "	16 to 18 " "	3 to 4 " "	.....	1.50

ARAUCARIA ROBUSTA COMPACTA				
6 inch pots,	12 inches high,	3 tiers, at	.....	1.00
6 " "	12 to 14 " "	2 to 3 " "	.....	1.25
7 " "	16 to 18 " "	3 to 4 " "	.....	1.50

ASPIDISTRA				
Lurida, Green leaved,	5 inch pots,	6 to 8 leaves	.....	.50
" "	6 " "	8 to 10 " "	.....	.75
" Variegata, variegated leaves,	6-inch pots,	8 to 10 leaves	.....	1.00

DRACAENA MASSANGIANA				
4-inch pots, at	.....	.....	.....	.50

EURYA

Latifolia Variegata. An evergreen shrub with rich dark green foliage, which is beautifully variegated with dark creamy white; an excellent plant for decoration: —40 cents each; \$4.50 per dozen.

OPHIOPOGON JABURAN VARIEGATUS

A most useful variegated foliage plant, 35 cts. each; \$3.50 per dozen.

PANDANUS VEITCHI

6-inch pots, at \$1.00 each.

For the most complete list of seasonable stock that can be offered at this season of the year, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application.

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Just to hand a fine lot of C. Lablata, C. Gigas Sanderianae, D. Bigibbum.

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Arrived in fine condition

Cattleya Gigas Sanderiana

Cattleya Schroederiae

Cattleya Lablata and Cattleya

Speciosissima

LAGER & HURRELL, SUMMIT, N. J.

A WONDERFUL NEW NEPHROLEPIS NEPHROLEPIS SUPERBISSIMA INTRODUCTION OF 1908

We desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a very unique and distinct novelty, — as distinct from Piersoni and Elegantisima as they were from Bostoniensis. It is, in fact, a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It was awarded a FIRST-CLASS CERTIFICATE by the Royal Horticultural Society, at Crystal Palace, London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of this fern as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities.

Fine, strong plants, 2½-in. pots, \$15.00 per 100; 4-in. pots, \$25.00 per 100;
6-in. pans, \$9.00 per dozen; 8-in. pans, \$18.00 per dozen

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK

Palms

Shrubs

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Send for Our Catalogue.

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PRIMULA KEWENSIS

For sale, 300 strong plants in soil ready
to go into 5 inch pots

\$8.00 per 100, — the lot \$20.00

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NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY

Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

2½-in., \$40.00 per 1000; 3½-in., from Bench,
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BOSTON FERNS \$30.00 per 1000.

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JOHN SCOTT

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FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3 per 100, \$25 per 1000.

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000.

Cash with order.

FRANK OECHSLIN

4911, Quincy St., - CHICAGO, ILL.

Winter Flowering Sweet Pea Seed

Mrs. E. Wild, carmine.
Christmas Pink.

Florence Denzer, pure white.
Mrs. Alex. Wallace, lavender.
Mrs. Wm. Sim, salmon.
Enchantress, light pink.
Wm. J. Stewart, blue.
Le Marquis, violet.

These are the peers for Commercial Florists.

No one can afford to be without them.

Price, 1 oz. 30c.; 2 oz. 50c.; 4 oz. 75c.; 1 lb. \$2.00.



This Trade Mark must be on each Packet; if not send it back and order directly from Originator.

1908 Novelties

Mrs. Geo. Lewis, purest white, wavy.
Miss Helen M. Gould, white, standard lilac, marbled.
Mrs. J. F. Hannan, deep pink self, very pleasing color.

Price, 1 oz. 50c.; 2 oz. 75c.; 1 lb. \$5.00

Novelties for 1909

Wallacea, lavender.

All other novelties sold out.

Price, 1 oz. \$1.00; 1 lb. \$10.00

ANT. C. ZVOLANER

Originator of all Winter Sweet Peas

BOUND BROOK, - - - N. J.

Seed Trade

The Pea Seed Crop.

The first preliminary estimates of deliveries of the 1909 pea seed crop are out. Four of the principal growers are on record, and their estimates average considerably under 50 per cent. One grower's average is but little above 25 per cent, and on a number of varieties he is down to 5 and 10 per cent, while the highest thus far on record strikes an average not above 50 per cent. Of course, it must be borne in mind that these preliminary estimates are really little better than guesses, and are not final, but it is seldom that actual deliveries are materially above first estimates, while not infrequently they drop much below. This may or may not be suggestive. There have been no new developments affecting other crops since last reports, only it is well to remind the trade again that Europe cannot relieve the situation on peas as their exportable surplus will be very small, and in fact, they are inclined to make importations themselves.

Shortages Difficult to Cover.

The bulb trade now occupies the center of the stage, and will for the next two months or more, and many seedsmen are liable to forget seeds to a considerable extent, or at least their interest will be of the academic kind. Those who wish to cover shortages this

year in peas, should lose no time in getting busy, as they will find it not easy of accomplishment. In fact, shortages are so general and so large, that they can not be covered, and the recent prediction that prices would reach new high levels this year on peas, will assuredly be realized. Here is where the shortage is so great as to constitute a real hardship.

A Nebraska Report.

Just as this is being written a letter from Nebraska states that there is no room for doubt that the sugar corn crop has suffered heavily, and estimates the shortage at nearly or quite 50 per cent. This is given for what it is worth.

Trans-Atlantic Items of Interest.

The annual meeting of the British Pteridological Society has been held at Kendal; Mr. Alexander Cowan, of Penicuik, was elected President, and a publication committee has been appointed.—At a recent meeting of the Royal Horticultural Society a number of new dwarf French beans from the Society's trials at Wisley were shown. Awards of merit were granted to the following: Cholet, a long green-podded variety from Messrs. Vilmorin, Paris; Evergreen, a smooth-podded green variety from Messrs. Sutton & Sons, Reading; Excelsior, long green pods, from Messrs. Barr & Sons, King street, Covent Garden, London; and The Belfast, a dark green variety from Messrs. Dickson & Sons, Belfast. A new tomato, Young's Mercury, was shown; it is the result of a cross between Hillside Comet and Carter's Sun-

rise.—Experts from France and Belgium have lately visited the seed farms of Messrs. J. K. King & Sons, of Coggeshall, Essex. Winter blooming sweet peas are being offered by an enthusiast who has secured a great success with them in on the Riviera. They will flower in the open in April, or in a sunny greenhouse in the dull month of December.—The Yokohama Nursery Co. are arranging to lay out some of the grounds in the Japan-British exhibition, where various phases of Japanese gardening will be displayed. This is likely to prove a very attractive feature, and instructive to western visitors unacquainted with the methods of the "Land of the Chrysanthemum."

W. H. ADSETT.

Sluis & Groot, Enkhuizen, Holland, have sent out a crop report indicating satisfactory prospects for cauliflower, late carrot, summer radish, onion, peas, English beans, antirrhinum, candytuft, lobelia, nasturtium, pansy, petunia, ten-week stock and other miscellaneous vegetable and flower seeds. Many other important crops have suffered to a greater or less extent from severe winter and other climatic reverses. Among these are cabbages, turnips, sugar beets, parsley, spinach, cucumbers, campanulas, centaurea, myosotis and verbenas.

CABBAGE. Succession, Flat Dutch and Savoy \$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self Blanching. \$1.00 per 1000. \$8.50 per 10,000.

PARSLEY. 25 cts. per 100. \$1.25 per 1000.

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White Marsh, Md.

CYCLAMEN SEED

NEW CROP

If you want thrifty plants that will bloom freely and produce gigantic bloom, then our Fancy Giant Cyclamen is the strain to grow. Our seed is grown for us in England by a leading specialist.

	100 Seeds	1,000 Seeds
Duke of Connaught. Crimson	\$1.25	\$10.00
Excelsior. White with red eye	1.25	10.00
Grandiflora Alba. Pure white	1.25	10.00
Princess of Wales. Deep pink	1.25	10.00
Salmon Queen. Salmon rose	1.25	10.00
Mixed. All colors.	1.00	9.00

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GIANT PANSY PLANTS

The KENILWORTH Strain

Is unsurpassed; the immense flowers of 3½ to 4 inches are of perfect form and substance; every tint and shade is produced in striking combination and endless variation of beautiful colors and markings; it is the result of years of selection; it embraces the largest and best of English, French, German and American novelties; 1909 seed greatly improved by rich shades of brown, bronze, red and mahogany. New seed; 1000, 25c; 2000, 40c; 6000, \$1; ¼ oz., \$1.40; ½ oz., \$2.50; oz., \$5. Plants, 100, 50c; 1000, \$3.50.

RAINBOW is a blend of over 50 of the latest introductions of giant pansies of the most beautiful, gorgeous colors blotted, striped, veined, margined, etc. Seed, 1000, 20c; 2000, 30c; 1-8 oz., 50c; ¼, 85c; 1 oz., \$3.00. Plants, 100, 50c; 1000, \$3.00.

CHAS. FROST
Kenilworth
N. J.

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

In writing advertisers kindly mention HORTICULTURE.

New Spawn

100 lbs. \$7.00

Including our Treatise How to Spawn A Bed Successfully.

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GIGANTIC PANSIES

can only be produced from the Giant Strains. Our CHALLENGE PANSY seed contains only the giant self colors, the giant striped and variegated and the giant blotched, all carefully raised in proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

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50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., New York City

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Onion, Lettuce, Sweet Peas and other California Specialties

ESTABLISHED 1802

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Bulbs*

Lilium Harrisii

TRUE STOCK

5/7 \$4.00 per 100 6/7 \$6.00 per 100
Narcissus Paper White Grandiflorus
\$1.00 per 100 \$8.00 per 1000

Dutch Bulbs ready now. Send for prices

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FOR FALL SHIPMENT
Wholesale Price List mailed to Florists on application.

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MY GIANT CYCLAMEN

are ahead in Growth and Flowers Bloodred, Carmine Daybreak, Lilac, Pink, Pure white, White carmine eyed, each separate 1r. Pkt \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

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will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

PERSONAL.

W. S. Wheadon of Syracuse, N. Y.,
has taken a position with the J. M.
Gasser Co. of Cleveland, Ohio.

A. Smith of Cleveland, Ohio, is now
connected with the establishment of G.
M. Naumann, East 105th street.

Malkom Gustafson of New Rochelle
has taken a position as gardener with
Mr. Henry Steers, Port Chester, N. Y.

Visitors in Boston this week: Julius
Dilloff, representing Schloss Bros., New
York; I. Rosnosky, representing H. F.
Michel, Philadelphia, Pa.; L. C. God-
dard, Portland, Me.; J. C. Vaughan and
Mrs. Vaughan, Chicago.

Harry A. Barnard, representing Stu-
art Low & Co., Bush Hill Park, En-
field, Eng., who sailed for New York
on the Mauretania, September 4, will
make his headquarters while in this

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..Sept. 17

American.

New York, N. Y.-S'ampton..Sept. 18

Atlantic Transport.

Minneapolis, N. Y.-London...Sept. 18

Cunard.

Ivernia, Boston-Liverpool...Sept. 21

Mauretania, N. Y.-Liverpool..Sept. 15

Campania, N. Y.-Liverpool..Sept. 22

French Line.

La Lorraine, N. Y.-Havre...Sept. 23

La Savoie, N. Y.-Havre...Sept. 16

Hamburg-American.

Pennsylvania, N. Y.-Hamb'g..Sept. 15

Deutschland, N. Y.-Hamb'g..Sept. 18

Holland-America.

Rotterdam, N. Y.-Rotterdam..Sept. 14

Leyland Line.

Winifredian, Boston-Liverp'l..Sept. 15

North German Lloyd.

Cecile, N. Y.-Bremen...Sept. 14

Bremen, N. Y.-Bremen...Sept. 16

Berlin, N. Y.-Med. Ports...Sept. 23

White Star.

Adriatic, N. Y.-Southampton..Sept. 15

Ottawa, Montreal-Liverpool..Sept. 18

Arabic, N. Y.-Liverpool...Sept. 18

Romanic, Boston-Med. Ports..Sept. 15

country at the Hotel Albert, 11th St.
and University Place, New York City.

Col. W. W. Castle of Boston met
with a painful accident on Tuesday,
7th inst. Alighting from his buggy at
East Weymouth, where he resides, his
heel caught in the frog of the street
car track and he was thrown, fractur-
ing his ankle. He will be confined to
his home for some weeks, in conse-
quence.

John Marshall, who for a number of
years has been gardener for Mr. Perry
Belmont at "Bythessea," Newport, R. I.,
has resigned that position and engaged
as gardener for Mr. Hobart J. Park,
at Port Chester, N. Y. Mr. Marshall
has made many friends in the Newport
gardening fraternity and his leaving is
much regretted. He takes charge of
his new duties, October 1st.

NEW FLOWER STORE.

Frank Howard will open a new
flower store in the location recently
occupied by the post office at Harvard
Square, Cambridge, Mass.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Flowers or Design Work

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Flower Deliveries

In Brooklyn and other Long Island Points
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Theatres, Hotels, Steamers or Residences.

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**Choice Flowers and
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Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
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For Ste. mers sailing from Montreal and Quebec
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FLORIST
MONTREAL

Careful attention and prompt delivery.

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JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Among the Plant Growers.

Fall work is well under way. Lilies Formosa and Harrisii are either potted or are ready for immediate attention. The early French bulbs and freesia have been in for some time and growers using them for early blooming have them potted up. A few of the Dutch bulbs are now here and the balance will come soon. Boston ferns are a subject of great interest as the market has not been well supplied with these popular plants for a year. Growers are now potting them so they will be nicely established before the dark days. They are also busy getting in good batches of cuttings of geraniums, lantanas and other bedding stock for another spring.

Some of the florists' windows are showing fine potted plants of Celosia Thompsoni magnifica. This variety of coxcomb in pyramid shape makes a showy plant and is especially desirable, for it comes at a time when there is comparatively nothing else in the market. Florists will remember the fine plants exhibited by Howard Gould at the big flower show last fall. They last a long time and are not difficult to grow. Their showy color and graceful form make them very desirable as fall plants.

Samuelson's New Store.

Chas. A. Samuelson, who has had one of Chicago's leading retail stores at 2129 Michigan avenue for the past fifteen years, has moved across the street to 2132-34. The interior furnishings are not all completed, but enough is finished to show that it will be a fine double store. One part is devoted to art pottery suitable for florists' use and has a fine conservatory in the rear. The other part is fitted up handsomely for his retail trade, with a salesroom in front and two model workrooms in the rear. These are lighted by skylights and separated from the salesrooms by a large refrigerator.

New Wholesale Rooms.

The rooms in the north end of the Atlas block are nearing completion. Hoerber Bros. will have fine light and convenient rooms for their wholesale business. This company has erected an extension greenhouse plant at Des Plaines, and now with their large salesrooms will be well equipped for fall business. Kyle & Foerster will have the rear rooms, which are well lighted and will be thoroughly equipped with facilities for handling the business of a wholesale commission house.

Personal.

C. M. Dickinson is confined to his home by sickness.

Leesley Bros. are taking an automobile trip into Wisconsin.

E. B. Washburn has returned from a brief visit in New York.

O. P. Bassett is on an auto trip to Niagara Falls and New York City.

Mr. and Mrs. Chas. McKellar are home from a two weeks' trip to Ohio.

Visitors.

Adolph Bruyssens, Professor of Horticulture at Vilvorde, France, is in this country making a study of the cultivation of the carnation. From here the Professor will go to Cornell University, Ithaca, N. Y. Other visitors were: E. J. Fancourt, representing Pennock-Meehan Co., Philadelphia; A. H. Bush,

Denver, Colo.; J. W. Worth, Parsons, Kan.

Anna Grace Sawyer has just placed a fine illuminated sign on her Madison street store and otherwise added to her equipment, making her place one of the finest of the smaller florists' stores in Chicago. It is known as the Pansy Store.

PHILADELPHIA NEWS NOTES.

J. Otto Thilow sailed August 24th on the Kaiser Wilhelm for a brief vacation.

Edward Reid left Sept. 5th on a four weeks' trip to North Dakota and other points west.

Visitors last week: Daniel E. Gorman, Williamsport, Pa.; F. W. Emerson, Omaha, Neb.

W. Paul Binder, late with Shellem, is now gardener for Theodore Presser, Chestnut Hill, Philadelphia.

James E. Mapes, Clayton, N. J., a dealer in florists' greens, had his buildings badly damaged by fire, Sept. 1st.

Jno. Berger of Berger Bros. has returned from a month's sojourn in the Maine woods looking 'sunburned and hearty.

Paul Klingsporn, late with McKisick, has returned from Alabama and is now in the electrical business at 2220 North Hancock street, this city.

George Faulkner has opened his new store on 15th street, below Sansom, with greatly enlarged facilities and good prospects for a prosperous fall trade.

W. Atlee Burpee has returned from his European trip loaded with interesting reminiscences and full of knowledge about novelties in the horticultural and floricultural line.

Henry Hughes, late gardener for H. O. Wilbur, Devon, has taken a position with Mrs. Fannie D. Stout, Dubuque, Iowa, for which point he left Philadelphia on the 7th inst. with the best wishes of his many friends.

It is reported that E. C. Dungan has resigned from his position as manager for W. Henry Maule and entered the newly organized Noll Corporation at Newark, N. J. (See Hort. page 346, Sept. 4.)

A prominent Camden florist was hunting for violets last week. He seemed very much surprised that the big Philadelphia flower markets could not supply a common item like that. At last accounts he was still hunting.

OBITUARY.

John W. Dunlop.

John W. Dunlop, Milwaukee's first professional florist, died in that city on September 1 in his ninety-seventh year. He was a native of Scotland. A widow, a daughter and four sons survive him.

Edward O. Graham.

The death is announced of Mr. Edward Oliver Graham of the Graham Nursery Co., of Rochester, at his home in Cazenovia, N. Y., on Monday, September 6th.

The funeral took place from the Universalist Chapel, Thursday, at 2.30 p. m. Deceased was born April 24th, 1858, in Whitby, Ontario, Can.

THE BEST LETTERS

FOR
FLORISTS'
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THOSE
MADE
BY THE

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N. F. MCCARTHY, Mgr.

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Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 239 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—George Whitbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—J. Newman & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

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Sarah Hill,	\$12.00 per 100.
W. Perfection	\$8.00 per 100.
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Victory	\$7.00 per 100.
Bountiful	\$60.00 per 1000.
Enchantress	
Boston Market	
Queen	\$6.00 per 100.
Lt. Peary	\$50.00 per 1000.
Vesper	

250 at 1000 price. Strong, healthy stock, satisfaction guaranteed.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Sept. 7		Sept. 7		Sept. 7		Sept. 8	
ROSES								
Am. Beauty, Fancy and Special.....	25.00	to 30.00	25.00	to 30.00	20.00	to 25.00	18.00	to 25.00
" Extra.....	20.00	to 25.00	15.00	to 25.00	15.00	to 18.00	10.00	to 15.00
" No. 1.....	10.00	to 20.00	10.00	to 15.00	8.00	to 12.00	4.00	to 8.00
" Lower grades.....	5.00	to 10.00	5.00	to 10.00	4.00	to 5.00	2.00	to 3.00
Bride, 'Maid, Chateaux, F. & S.....	5.00	to 6.00	4.00	to 6.00	4.00	to 5.00	3.00	to 6.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	1.00	to 2.00	.25	to 1.00
Killarney, Fan, & Sp.....	5.00	to 6.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	1.00	to 2.00	.25	to 1.00
Richmond, Fancy & Special.....	5.00	to 6.00	6.00	to 8.00	4.00	to 6.00	4.00	to 6.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	1.00	to 2.00	.25	to 1.00
My Maryland, Kaiserin.....	3.00	to 8.00	.....	to	3.00	to 8.00	.50	to 8.00
CARNATIONS								
	1.50	to 3.00	1.00	to 2.00	1.50	to 3.00	.50	to 2.00
MISCELLANEOUS								
Gladioli.....	4.00	to 6.00	3.00	to 8.00	1.00	to 3.00	.50	to 3.00
Asters.....	2.00	to 4.00	1.00	to 3.00	.50	to 8.00	.25	to 1.00
Cartays.....	15.00	to 50.00	40.00	to 50.00	.....	to 60.00	50.00	to 75.00
Lilies.....	12.00	to 15.00	10.00	to 12.00	12.00	to 15.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Mignonette.....	3.00	to 4.00	2.00	to 3.00	.....	to 1.00	.50	to 1.00
Sweet Peas.....	.25	to .50	.40	to .75	.25	to .50	.05	to 1.00
Gardenias.....	.....	to 40.00	.....	to 40.00	.....	to 20.00	20.00	to 25.00
Adiantum.....	.....	to 1.00	.75	to 1.00	1.00	to 1.50	.75	to 1.25
Smilax.....	10.00	to 12.00	10.00	to 14.00	12.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 30.00	35.00	to 50.00	25.00	to 35.00	15.00	to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

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The Advertisers Represented Here are the Leading Concerns in the
Wholesale Flower Trade

Flower Market Reports.

BOSTON This market is still heavily overloaded with asters, gladioli, and other material from outdoor sources and the greenhouse-grown material is almost overwhelmed for the time being. American Beauty and white roses are in good demand if of presentable quality. Orchids are still scarce and the demand exceeds the supply. Lily of the valley is good and selling better than in former years. Longiflorum lilies are unusually good, but in excess of the present need. Never before have asters been so good. The trouble is that they are offered in quantities that are absolutely unmanageable. The inferior asters—which are also plentiful—cannot be disposed of; many shipments fail to even realize express charges.

Improvements are shown **BUFFALO** daily in the cut flower market and the past week trade was on the upward course. Roses have not been too plentiful and the demand has been good, especially for white. New crops are coming on, among them being White Killarney, which are good, though of short stems. Beauties and Richmonds have moved freely, also lily of the valley has had its share in demand. Asters and gladioli still continue to be plentiful; the select stock cleans up but there are too many ordinary which have little or no value. Carnations are to be seen but in small quantity; Enchantress is coming in quite good and with fair stems. Other material moved fairly well throughout the week.

Business is starting up **CHICAGO** well for so early in the season. No one is anxious to see too many orders come in while stock is so scarce. At last some really good asters are to be had and they do not stand long in the vases waiting for customers. Shipping trade is also good and a lively skirmish for flowers follows the arrival of the mail each morning. The closing of the Chicago Post Office on Labor Day made a considerable number of disappointed customers who had written in their orders which were not delivered till Tuesday. Carnations are decidedly poor, but little blooms that would be despised later in the season are now eagerly bought up at top prices. Celosia of the old-fashioned kind, as well as the new, is to be had and makes a showy window flower. There are few lilies and they bring any price the seller chooses to ask. Golden Glow chrysanthemums are coming in quite freely, also a few of October Frost. Fall openings and fall weddings are doing much to start things moving and the season may now be said to be fairly opened.

As per previous reports, **DETROIT** the month of August has showed up much better than other years. Some large floral orders in its last days gave almost all the trade an opportunity to put a good finish to the August ledger sheet.

PHILADELPHIA.

The tide continues to rise slowly. Last report noted an improvement and the present shows business holding its own—and perhaps a little better. General conditions are all that can be expected for this season of the year. The feature now is the dahlia. This flower has forged to the front wonderfully of late years, and with the new and improved forms in the decorative and cactus classes, may now be considered a cut flower staple during September and October. The best of the new dahlias seen this season are undoubtedly Jack Rose and Delice. Both are bright, pure colors, with excellent stems and form. Delice is said to be the best keeper of any dahlia ever introduced. Asters continue very fine—only too many for the demand.

Some special blooms of under-glass culture appeared last week which were certainly magnificent. Cosmos is more plentiful but not yet overdone. Gladioli are on the wane. Roses continue to show some improvement as to quality consequent on recent cool weather. American Beauties have been in excellent demand and a sharp advance in quotations has resulted. Among pink varieties My Maryland is undoubtedly in first place—with Killarney a close second. White Killarney is rather a

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We offer, subject to prior sale, the following:

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WHITE PERFECTION

MRS. PATTEN
WINONA
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First grade \$8.00 per hundred. \$75.00 per thousand.
Second grade 7.00 per hundred. 60.00 per thousand.

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QUEEN
GENEVIEVE LORD } \$5.00 per hundred.
HARLOWARDEN } \$45.00 per thousand.

SARAH HILL, \$12.00 per hundred.

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800 BOUNTIFUL, 4 in. Pots.
2000 WHITE PERFECTION. 4 in. Pots.
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disappointment so far—the general trade seeming to be just as well satisfied with good Kaisersins.

Business was rather **WINNIPEG** dull throughout the latter part of August. Roses and carnations have been of rather poor quality. Asters excellent but supply in excess of the market requirements. Prospects are regarded as good for fall flower trade.

(Continued on page 385)

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 6	DETROIT Sept. 6	BUFFALO Sept. 6	PITTSBURG Sept. 6
ROSES				
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra	15.00 to 20.00	15.00 to 18.00	15.00 to 20.00	10.00 to 15.00
“ No. 1	8.00 to 12.00	10.00 to 15.00	5.00 to 10.00	6.00 to 8.00
“ Lower grades	4.00 to 6.00	4.00 to 8.00	3.00 to 4.00	3.00 to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	4.00 to 6.00
“ Low gr.	3.00 to 4.00	2.00 to 4.00	4.00 to 5.00	2.00 to 4.00
Killarney, Fan. & Sp.	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
“ Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
“ Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
My Maryland, Kaiserin	3.00 to 5.00	..... to .....	..... to	4.00 to 8.00
CARNATIONS	1.00 to 2.00	.75 to 1.50	1.00 to 2.00	2.00 to 4.00
MISCELLANEOUS				
Gladioli	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Asters	1.00 to 2.00	.50 to 1.50	.50 to 2.00	.25 to 3.00
Cattleyas	..... to	35.00 to 50.00	40.00 to 50.00	..... to 75.00
Lilies	10.00 to 12.00	12.50 to 15.00	8.00 to 12.00	8.00 to 10.00
Lily of the Valley	..... to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Mignonette	..... to .....	.50 to 1.00	.50 to 1.00	..... to
Sweet Peas	.35 to .50	.25 to .50	.50 to 1.00	..... to
Gardenias	..... to	20.00 to 30.00	20.00 to 30.00	..... to
Adiantum	..... to 1.00	..... to 1.50	.50 to 1.00	..... to 1.25
Smilax	10.00 to 12.00	15.00 to 20.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	40.00 to 60.00	10.00 to 50.00	40.00 to 50.00	30.00 to 50.00
“ “ & Spreng. (100 bchs.)	20.00 to 30.00	30.00 to 50.00	40.00 to 50.00	30.00 to 57.00

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A Full Line of All CUT FLOWERS

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759 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Sept. 4 1909		First Half of Week beginning Sept. 6 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Extra.....	6.00	to 10.00	6.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Field, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

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Hardy Fancy Fern Our Specialty

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FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.



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Telephone 167 Madison Sq.

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New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 4 1909		First Half of Week beginning Sept. 6 1909	
Cattleyas.....	42.00	to 75.00	40.00	to 75.00
Lilies.....	3.00	to 0.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.10	to 1.00	.10	to 1.00
Gladioli.....	.25	to 1.00	.25	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 4.00
Gardenias.....	20.00	to 25.00	20.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spren. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

Flower Market Reports.

(Continued from page 383)

INDIANAPOLIS

There has been a marked improvement in trade since September 1st. It has required hustling to get enough high grade stock to fill orders. Asters are in abundance, the later ones being of much better quality than the early crop. Gladioli are of exceptional quality and are being moved in large numbers. Roses sell moderately well. Some good new-crop Beauties are arriving and bring good figures. Kaiserin remains the best white summer rose. The new crop of tea roses is scarcely worth picking. Golden Glow chrysanthemums bring fair prices considering quality. Plenty of cosmos, dahlias and other outdoor stock are available, but there is no great demand for them. Some outdoor carnations of fair quality are seen.

NEW YORK

Business continues quiet. There is little high grade stock in roses, but enough to meet the demand. The supply of carnations is gradually increasing but the stems are short and consequently they are of little value and remain practically untouched. The supply of lily of the valley is decreasing. Callas appear in limited quantity. There is no lack of asters, however, the market is full of them and they sell at all kinds of prices.

DETROIT NEWS.

Frank Holznagel is erecting a new office building. The steady growth of the city is placing him rapidly amongst up-to-date residences and he is changing from a wholesale grower to a prosperous retailer.

Thomas Brown has added a Ford roadster which in the future will daily deliver his product at the Michigan Cut Flower Exchange. In the past he was dependent on the courtesy of the Suburban line conductors who, perhaps rightly, objected many times to carrying his large telescope boxes.

INDIANAPOLIS PERSONALS.

The town was visited by a hail storm on August 27, the damage done being very light.

Visitors: C. A. Kuehn, of St. Louis; Mr. Cohen, of Wertheimer Bros., New York; Mr. Dykes, of Ed. Jansen's, New York; S. S. Skidelsky, Philadelphia.

Alfred Pahud, the Crown Hill florist, who was injured by falling from a street car on his return from the convention, is getting along nicely and expects to be out soon.

Hamilton, O.—By strenuous efforts of the firemen, the greenhouse on the estate of Col. J. C. Hooven was saved in the recent fire which destroyed his residence.

BUSINESS CHANGES.

Marshall, Ind.—H. G. Hershey has leased the Corey Bryan greenhouses.

Columbus City, Ind.—Lancaster & Simpson have purchased the greenhouse plant of D. C. Noble.

Fenton, Mich.—George Bridson has erected a new boiler house, a 50-ft. stack and cold storage sheds.

Baldwinsville, Mass.—C. C. Speare has bought the greenhouse of E. J. Richmond on Columbus avenue.

Rockford, Ill.—C. H. Woolsey has taken over the Dempsey greenhouses on Corbin street, and will put M. H. Smith in charge.

Ashtabula, O.—William Regner has secured a controlling interest in the Ashtabula Greenhouse Co. and will have charge of the business hereafter.

Carthage, Mo.—The Finn greenhouses will be carried on hereafter by Frank Finn, who has purchased his mother's interest in the business.

Muskegon, Mich.—The greenhouses of L. D. Squires of Whitehall have been purchased by Louis Wasserman and will be removed here and used in his business.

Council Bluffs, Ia.—L. H. Reams has this season added two large greenhouses, a boiler house and smoke stack fifty feet high and six feet square, which will bring his plant easily into the up-to-date class.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nepp, Prop., Chatham, N. J.

Asparagus Plumosus Nanus, strong plants from 2½ inch pots, \$2.50 per 100, \$22.00 per 1000. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Asparagus Sprengeri, extra strong plants, John F. Flood Co., Dedham, Mass.

ASTERS.

J. C. Schmidt, Bristol, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.
Begonia Gloire de Lorraine, strong stuff, ready for 4 inch pots, \$15.00 per 100. New Begonia Pres. Taft, strong plants, ready for 4 inch pots, \$25.00 per 100; extra strong, ready for 6-inch pots, \$50.00 per 100. Iris Pallida Dalmatica \$12.00 per 100, \$100.00 per 1000. Now is the time for planting. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Gloire de Lorraine, fine stock from 2½ inch pots, \$10.00 per 100. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
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The Castle Co., 170 Summer St., Boston.

BOOKS

Pronunciation of Plant Names, sent for 50 cents postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron. Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lilies.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Lily Bulbs, Horseshoe Brand.

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.

For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.
Field Carnations.

For page see List of Advertisers.

S. S. Pennock Meehan Co., Philadelphia.
Field Grown Carnation Plants.

For page see List of Advertisers.

S. J. Reuter & Son, Westery, R. I.
Field Grown Carnations.

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I. M. Rayner, Greenport, L. I., N. Y.
Field Grown Carnations.

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Hjalmar Hartmann & Co., Copenhagen, Denmark.

Carnation Comtesse Knuth.
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J. L. Dillon, Bloomsburg, Pa.
Carnations Field Grown.

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Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.

For page see List of Advertisers.

W. J. & M. S. Vesey, Fort Wayne, Ind.
Field Grown Carnations.

For page see List of Advertisers.

C. H. Jenkins, Cumberland Centre, Me.
Carnations Field Grown.

For page see List of Advertisers.

Welch Bros., 224 Devonshire St., Boston.
Carnation Plants Field Grown.

CARNATIONS—Continued

A bargain for some one. We have 155 white Lloyds, 50 white Queen, 50 Prosperity, and \$10.00 cash takes the lot. You cannot get better plants at any price. The Hillside Floral Gardens, Atlantic Highlands, N. J.

1500 fine field grown carnations for sale; Enchantress, White Perfection, Lady Bountiful, \$5.00 per 100; \$45.00 per 1000. Samuel Kinder & Bro., Bristol, R. I.

UNUSUALLY FINE STOCK.

White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

Carnations, field grown; 500 Enchantress, 500 Mrs. Nelson, 500 Queen, 500 Fenn, good plants, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

5000 Field-grown Carnation Plants, No. 1 stock; White and Pink Enchantress, White and Pink Lawson, Lady Bountiful, White Perfection, Victory, H. Fenn, \$5.00 per 100. R. Engelman, Pittsfield, Mass.

CHRYSANTHEMUMS

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS PANICULATA

Fine plants, two and three years, \$1.00 per doz.; \$5.00 per 100; 50 at 100 rates. F. A. Baller, Bloomington, Ill.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUSTOM HOUSE BROKER

Fredk. H. Griffin, 88 Broad St., Boston.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

WE PAY THE FREIGHT

On Cut Flower Boxes if your order reaches us during September. Write for sample of stock we use and prices. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN.

R. & J. Farquhar & Co., Boston.
Giant Strain.

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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Herbert, Atco, N. J.

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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

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DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham
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Robert Craig Co., Market and 49th Sts.,
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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W. B. Whittier & Co.,
South Framingham, Mass.
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Bobblin & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
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Godfrey Aschmann, 1012 W. Ontario St.,
Philadelphia.
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The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantissima Compacta.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Sheep and Shredded Cattle
Manure.
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German Kali Works, 93 Nassau St., New
York, N. Y.
Potash.

Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.

FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 226-228 1-2
Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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N. F. McCarthy & Co., 84 Hawley St.,
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H. M. Robinson & Co., 15 Province St. and
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
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W. H. Ernest, 28th and M Sts.,
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A. H. Hews & Co., Cambridge, Mass.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad
way, Detroit, Mich.

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Standard Plate Glass Co., 26-30 Sudbury
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Parselsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass. High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

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Lord & Burnham Co.,
1133 Broadway, New York.

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King Construction Co., N. Tonawanda,
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Hitchings & Co., 1170 Broadway, New York.
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J. C. Meninger Co., 117 East Blackhawk
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S. Jacobs & Sons, 1359-63 Flushing Ave.,
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GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham.
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Foley Mfg. Co., Western Ave., between
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip
gutter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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Rice Bros., 115 N. 6th St., Minneapolis,
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

HYDRANGEAS.

American Everblooming Hydrangea (H.
Arborescens Grandiflora alba), heavy two-
year plants for agents' use. Peonia Fe-
stiva Maxima and Queen Victoria, low per
1000. One hundred other choice varieties
of Peonias at low prices. The E. Y. Teas
Co., Centerville, Ind.

INSECTICIDES.

Nicotine kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stumpp & Walter Co., 50 Barclay St.,
New York.

Kilmdead Tobacco Dust.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES — Continued

Phila. Insecticide Co., 6117 Main St., Germantown, Pa.
 Pullman's Insect and Worm Destroyer: Nicotine.
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Hammond's Paint & Slug Shot Works, Fishkill, N. Y.
 Grape Dust.

B. G. Pratt Co., 50 Church St., New York. Scalecide.
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Geo. E. Talmadge, Inc., Madison, N. J. Aphline.
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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

T. C. Thurlow & Co., W. Newbury, Mass.
 Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAS

Godfrey Aschmann,
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Jos. Heacock Co., Wyncote, Pa.
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Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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Wm. Elliott & Sons, 42 Vesey St., New York.
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Kentucky Tobacco Product Co., Louisville, Ky.
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John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.
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W. B. Whittier & Co., South Framingham, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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Eastern Nurseries, Jamaica Plain, Mass. Pinus Strobus.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
 Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
 Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordonez Bros., Madison, N. J., Box 105.
 C. Labiata: D. Bigibbum Arrived.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
 Native Orchids. Hugo Kind, Hammon-

ton, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
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John Scott, Brooklyn, N. Y.
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PANSY PLANTS.

Chas. Frost, Kenilworth, N. J.
 Giant Pansy Plants.
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PANSY SEED

A. T. Boddington, 342 W. 14th St., New York.
 Giant Pansies.
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The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
 Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.
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The E. G. Hill Co., Richmond, Ind.
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T. C. Thurlow & Co., W. Newbury, Mass.

Peonies—The best French collections. List of new varieties now ready. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.

6 choice named kinds, distinct colors, \$1.00 per doz.; \$6.00 per 100. F. A. Baller, Bloomington, Ill.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfeld, Westpoint, Nebr.

PHLOXES.

T. C. Thurlow & Co., W. Newbury, Mass.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.
 Iron Pipe.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
 Primroses Obconica and Chinensis.
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Ed. Herrmann, North & Milton Aves., Baltimore, Md.
 Chinese Primulas.
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F. E. Palmer, Brookline, Mass.
 Primula Kewensis.
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Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Rousderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

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 Novelties in Roses.
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 White Killarney, My Maryland, Rambler.
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W. & T. Smith Co., Geneva, N. Y.
 American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SABBATIA CHLOROIDES

L. H. Read, Fruitvale, Ala.
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SEED GROWERS

Hjalmar Hartmann & Co.
 Cauliflower and Cabbage Seed.
 Langangstraede 20, Copenhagen, Denmark.
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Leonard Seed Co., Chicago, Ill.
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 2 1/2-in., \$1.50 per 100;
\$10.00 per 1000. Cash please. Wm.
Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Finest sphagnum moss, 5 barrel bale,
\$1.25; ten or more, \$1.00 each. The New
Jersey Moss Co., Wright-Sterling, 802
Chestnut St., Philadelphia, Pa.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STEVIA

Stevia, 2 in., 2 cts. Double Alyssum,
2 in., 2 cts. Cash with order. O. C. Day,
Hudson, Mass.

SULFUR BURNER

Benj. Dorrance, Dorranceton, Pa.

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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. **Scranton Florist Supply Co., 301**
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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H. M. Robinson & Co., 15 Province St.
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John Young, 51 W. 28th St., New York.
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BOSTON FLOWER MARKET.

The necessity for more room in the Park Street Market is to be relieved by an excavation under the sidewalk which the Church committee will recommend at the next parish meeting and which will undoubtedly be approved. This will give approximately 500 square feet more room, which will be utilized for storage vaults and leave room for more stalls in the rear. It is understood that all thought of moving elsewhere is now dropped and the market will occupy its present quarters indefinitely.

NEWS NOTES.

Morristown, N. J.—John Grunnewald has leased the Waller greenhouses and will open a retail store on Speedwell avenue.

Laurium, Mich.—The A. M. York store has been handsomely decorated during the summer and Mrs. Nordquist is now in charge.

Springfield, Mo.—J. S. Farrington, receiver for the Planters Seed Co., has closed the place and will dispose of the stock at auction. The liabilities are in the vicinity of \$12,000.

Grafton, Mass.—The Norcross & Stratton greenhouse, together with dwelling house and land, has been bought by Lyman F. Gordon, but he has not definitely decided to what use he will put the property.

PEONIES AT CORNELL.



PEONY TRIAL PLOT AT CORNELL

The picture on this page shows the test plot of the American Peony Society this year, with President Farr of the American Peony Society and Prof. Batchelor at work. This snap shot was taken by Prof. John Craig, and is a good view of the appearance and condition of the original collection. In the distance is seen the tent, used as headquarters, and a distant view of the new plot. The object of this plot as distinct from the original one is to determine the best one hundred varieties. With a view to do this a number of firms have sent collections, which embrace, in their opinion, only the very best varieties for general purposes. A new planting will be made this fall, and adjoining these

two plots, wherein the net results of the work so far accomplished will be concentrated by planting specimens by themselves of all varieties of which official descriptions have been taken. Each year additional varieties passed upon by the committee on Nomenclature will be added to this new plot.

The officers of the American Peony Society are: Bertrand H. Farr, Reading, Pa., president; C. J. Malloy, Rochester, N. Y., vice-president; J. H. Humphreys, Andorra Nurseries, Chestnut Hill, Penna., treasurer; A. H. Fewkes, Newton Highlands, Mass., secretary, and Prof. John Craig, Cornell University, chairman of the committee on nomenclature.

LANDSCAPE GARDENERS.

The profession of landscape gardening, as practiced by the best exponents, is a high art, also combining much of the purely scientific. Sir Uvedale Price, and Humphrey Repton, and Loudon each had the highest respect for the dignity of their calling as landscape gardeners. They were men of the best education, taste and refinement. But they each had their satellites and pretenders to the art. The same holds good at the present day. It is no unusual thing—in fact, quite the rule—to see the title "Landscape Gardener" upon the sign-board of humble nurserymen who lay out suburban front gardens. These men have no more claim to the title than the surfacemen on a railway. But why is the profession not regulated so that none but registered practitioners can pursue it? We ask the question very seriously, since heavy expenditure and bad results often go hand in hand when inexperienced, ill-trained "landscape gardeners" undertake the execution of commissions. Yet these men succeed in inducing owners of estates to spend thousands on so-called improvements, and their original estimates are nowhere near the mark, and their work appals the trained artist, and begets a horror of the whole fraternity of designers in the mind of the client. More of this anon.—Journal of Horticulture, August 26, 1909.

CHILDREN'S EXHIBITION AT BOSTON.

Last Saturday was a gala day with the children at Horticultural Hall, Boston, for that was the day of their annual exhibition under the auspices of the Massachusetts Horticultural Society and they came by hundreds from far and near, and spread out the products of their industry in school and home garden, the display practically filling the large hall and the small one adjoining. The collections of fruit and flowers and vegetables was exceedingly creditable to the little gardeners and well-won prizes were lavishly distributed. Altogether, it was one of the most impressive events of the year horticulturally and well worth a visit.

A plot of about 1200 square feet with a portable house in the centre was laid out under the supervision of Miss Julia H. Bradley to show how a small home plot may be arranged with tasteful surroundings—lawn, flower garden, hedge, window boxes, climbing vines, rockery and vegetable garden in full glory.

Detroit, Mich.—The State Fair seems to have lost all power of attraction for florists, which is a bad feature for many reasons. It is to be hoped that the local Florist Club officers and the State Fair managers will get together and arrange a schedule which will bring out a good live competition.

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THE EFFECTS OF CROSS POLLINATION IN HORTICULTURAL PLANTS.

(A Paper read before the Georgia Horticultural Society by Prof. R. J. H. DeLoach.)

Thomas Andrew Knight (1759-1838) an English Horticulturist and physiological Botanist was the first to show the value of cross pollination of fruits. As early as 1806 he said: "New varieties of species of fruits will generally be better obtained by introducing the farina of the variety of fruit into the blossoms of another than by propagating any from a single kind." He holds the same place in relation to improvement by crossing that Van Mons holds with reference to selection. A. J. Downing a writer of considerable note on fruits and fruit trees, said in 1836: "Assuming Professor Van Mons to be strictly correct, we would suggest that a great saving of time and a considerable improvement, in quality and vigor, might be gained by calling in cross-pollination to the aid of the cultivator as soon as the fruit of the trees (say the second generation) begins to show symptoms of amelioration. By impregnating them with pollen of the finest varieties we conceive that the next generation would produce excellent fruit and at a saving of twenty or thirty years."

In 1844 Hovey, famous as a plant breeder said: "The results will be obtained in a shorter period by cross fertilization and, we believe, equally as favorable as by the method of successive generations alone."

Knight, Hovey, Allen and Downing succeeded well in establishing confidence among horticulturists in the possibilities of cross pollination, and it came to be a general practice, but very little fundamental knowledge was added to the subject till biological students of modern times began to apply laboratory methods to plant-breeding investigations, and investigators combined cytology with field experiments. It is rather interesting that the early hybridizers mixed pollen from different sources to pollinate with, contending that in this way the ovary would be strengthened. Variation in fruits and other plants as we know it is comparatively a new subject, because new conditions and new environment, better methods of cultivation, and more liberal applications of fertilizers, as well as almost unlimited crossing, have rendered variation far more conspicuous. The number of professional and commercial plant breeders has grown to such enormous proportions within the last decade, especially since Mendel's laws of heredity and work in hybridization have been rejuvenated, and as a consequence so many ideals set up that we naturally have a great many new varieties from time to time of all the cultivated or artificial plants. Each new creation seems to have inspired breeders to make greater efforts to create and name still other new fruits, etc., and this eagerness to get something new has caused us to neglect to give an account of our methods of breeding and the history of the new varieties produced.

Technique of Crossing.

This phase of the subject needs very little discussion in the present paper. Most horticultural plants have

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perfect flowers. To cross pollinate, the flowers must be emasculated before any of their own pollen grains are ripe, in order to be sure of not having self-fertilization. Authorities differ as to when pollination should take place after emasculation. Some say that pollination should be at the time of emasculation, while others say that a day or two later is better. Price found a considerable advantage in pollinating at the time of emasculation. To emasculate, one must carefully remove the partially unfolded corolla, down near the base of the calyx, and trim the stamens with a small pair of scissors, it being absolutely necessary to get every anther from the flower in order to avoid the possibility of self-pollination above referred to. If pollinated at the time of emasculation, the pollen should now be brought from the flower to be crossed and applied to the pistil of

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

the newly emasculated flower. There are as many methods of applying pollen as there are plant breeders, but the usual way is to apply the collected pollen with a camel's hair brush. I have obtained fine results by dipping the stigma into the pollen that has been collected on soft paper. In case that the pollen is to be applied one or two days later than the emasculation, the stigma should be securely covered with a small paper or linen bag, in order to keep insects away. Then when the pollen has been applied cover again as before for a day or two. Then remove bags and the work is done. The pollen grains will be dissolved by the pistil and the male nucleus follow the channel of the style down to the ovary and fertilize the ovules. Until this is done the young fruit will not set. If the pollen has been applied in sufficient quantities, and the cross not too radical, most or quite all the seeds will develop, in which case the fruit will be better, and the breeder will have a much better chance to get seedlings. Apparently, a few fruits have been developed that need no fertilization of flowers,—for instance the seedless orange. I have not studied the morphology of this fruit, and cannot discuss it. Generally, the fruit depends upon the development of the seed, and the development of the seed depends upon the fertilization of the ovary with pollen, and this depends in turn on the successful fusion of the nuclei of the ovule with the pollen grains.

Effects of Crossing.

One can say without fear of successful contradiction that crossing when properly applied will be found a means of combining desirable qualities in two or more fruits sufficiently related to admit of crossing at all. If the Russet apple is to a great extent disease resistant, and the Baldwin a large, beautiful red apple, but somewhat susceptible to certain diseases, we may combine these two qualities by crossing. This of course will entail upon the breeder a great deal of detail, for the dominant and recessive characters must be studied and the strength and breadth of the allelomorph pairs known. For instance, if red and the lack of red or green constitute one of the allelomorph pairs in a cross between the Baldwin and the Russet apples, the breeder must take careful notes as to which one of these pairs dominate in the first generation of crosses, and he must further calculate what percent of the total area of the apples in the second generation or F_2 generation will be red, if he would secure the desired results in the minimum time.

Another good effect in crossing, is the infusion of new life into the offsprings. They seem to be more vigorous and hardy. An illustration of this is found in the cross between the Newton apple and several other varieties. In every case the offspring was far more vigorous and a more salable fruit. It might be claimed that all the qualities were not improved in any specific case, but on the other hand, the size and appearance were greatly improved without exception. Where the apples were crossed, they showed increase in weight and in the number of seeds developed.

The Spitzbergen apple is almost self-sterile, being able to set only about 3 per cent. of its own fruit. When crossed with Ottley, Baldwin and other varieties it was much improved. The few self-fertilized Spitzbergens were small, ill-shapen, and otherwise objectionable. To what extent then are self-sterile apples improved by cross fertilization? In each of the above cases, they were greatly improved, and the conclusion among horticulturists is that this rule is almost if not quite universal, that where apples are found to be self-sterile, the few individual fruits that may prove self-fertile are not as good and strong as those on the same trees that are obtained by cross pollination.

Is self-sterility brought about by cross fertilization? There is some reason to believe that where plants are continually crossed for effect, they eventually come to depend for fertilization on foreign pollen. Many cases of self-sterile horticultural plants have been brought by crossing foreign on native fruits. However, in this way we have been able to produce much of our best fruit. As we come from the distant past when most of our varieties of fruits were foreign, to the present when most of them are native or American-produced and American-named, we cannot fail to notice the activity of growers and the eagerness of speculators to adopt the promising new fruits. The foreign element has continued to pour into most of our horticultural plants. Among the last of these is the 'New Hybrid Fruits' at the South Dakota Experiment Station published in bulletin 108, May 1908. Our native wild fruits seem to be susceptible to considerable development when crossed on good foreign fruits. The sand cherry on the Chinese apricot is a good illustration of this. Another is our native plum on the Chinese apricot. By means of these crosses, foreign fruits are easily adapted to our soil and environment, as well as climatic conditions and at the same time our native fruits are being greatly improved.

Limits of Crossing.

There are bad as well as good effects from cross pollination, and my paper would not be complete without devoting some space to this phase of the subject. Bailey has said: "Crossing is useful as a means of originating new forms adapted to man's special uses and also as a means of revitalizing the offspring by providing new combinations of characters which may better enable the individual to compete in the struggle for existence; but there are limits beyond which crossing is useful neither to the species nor to man." What are these limitations? To what extent may crossing be made to prove profitable, and when does it work injury to the plant? If the cross ceases to be useful to the plant shall we consider it wise to continue crossing for benefits to man? Artificial or cultivated plants have very few of the natural factors of limitation to work under. They have no struggle for existence. Man does their struggling. The weed is harder and would get the better of the cultivated plant, but man steps in and destroys the weed. In two ways, man aids cultivated plants: by selec-

tion and cultivation, and by destroying their enemies. Therefore the great consideration is improvement. Making something better, along definite lines and for specific purposes.

When selection is not sufficient to produce the required effect in the improvement of plants, crossing varieties is resorted to. When the end in view has been attained without too much sacrifice, the breeder is fortunate. Sometimes self-sterility is so pronounced that the desired fruit will have to be abandoned, the latter action dependent on accessibility to or our possibility of growing the desired pollen with which to fertilize the sterile varieties.

This leads to a consideration of the causes of self-sterility in orchards. One authority says that the cause of self-sterility is that the pollen of a variety is unable to fertilize the pistils of that same variety. But this is only half of the truth. The other part of the question might with propriety be asked: Why will the pollen not fertilize the pistils of the same variety? Cannon has come nearer the truth in his discussion—the cytological aspects of breeding. In order for the pollen to fertilize the ovules without a radical disturbance, there must be a common number of chromosomes and consequently a like reduction of chromosomes in the sperm and ovum. The spermatocyte must be the morphological equivalent of the oocyte. There is then a possibility that part of the offsprings of certain crosses—I might say radical crosses, are normal and part abnormal. The normal adhere to the original method of cell division, and the latter do not. In the normal development, the sperm and ovum had an equal number of chromosomes, in which case the spindle would be exactly like that in the parent types. In the abnormal development we may have direct nuclear multiplication, or amitosis, and consequently a general biological or morphological difference. The last or abnormal difference, Cannon says may be the cause of self-sterility, and the former or normal development the cause for fertility of self-fertility. In order to successfully answer the question, there must be a combined study of cytology and field experiments. The whole matter is a problem of morphology, and without making cytology the basis of an investigation of this problem, one cannot hope to unravel the fundamental truth.

Suggestions.

It is suggested that, in as much as there are so many institutions in the country that exist solely for research work and experimental investigations, horticulturists follow well tried methods, and refer new problems to such institutions. Practical crossing and not theoretical breeding is the only safe rule for the ordinary horticulturist. The work in cross pollination should be principally with self-sterile varieties, and the pollen used should be from some thoroughly tested varieties. Or, if foreign pollen is known to work well with self-fertile varieties, no risk will be run by such practice.

References: Bailey, Survival of the Unlike. Cannon, Cytological Aspects of Breeding. Bulletin, 132 Maine Station. Bulletin, 104 Oregon Station. Bulletin, 181 Cornell Station. Wilson, The Cell. Bulletin, 108 South Dakota Station.

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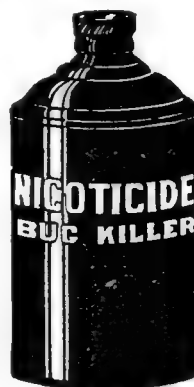
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Toledo, O.—Searles Bros., range of houses.

Hoffman's Ferry, N. Y.—J. C. Hatcher, two houses.

Hillsboro, Ore.—W. H. Morton, house 30 x 100.

Camden, N. J.—August F. Jackel, addition 30 x 90.

Newark, O.—A. J. Baldwin, rebuilding three houses.

Charlotte, Mich.—Harrison L. Carpenter, one house.

Winona, Minn.—John Fuhlbruegge, additions and improvements.

So. Royalston, Mass.—E. B. Hanson, three houses and power house.

CATALOGUES RECEIVED.

Corn Belt Nursery and Forestry Association, Bloomington, Ill.—Surplus List.

Ball & Betz, Cincinnati, O.—Revised price list of Wire Floral Designs.

City Nurseries, (Sidney Hockridge), Redlands, Cal.—Flowers for Spring. List of Spring-Flowering Bulbs, etc.

Fernwood Nursery, Inc., Stamford, Conn.—Pocket Edition Catalogue of choice conifers, rhododendrons, and ornamental trees and shrubs.

Rockmont Nursery, D. M. Andrews, Boulder, Colo.—1909 Autumn Catalogue of seasonable specialties for fall planting, including Colorado wild flowers and bulbs.

Henry F. Michell Co., Philadelphia.—Wholesale Price List of Bulbs for Autumn, 1909. This is a very complete list of forcing and garden bulbs, also seeds for florists' planting.

R. & J. Farquhar & Co., Boston, Mass.—Autumn Catalogue, 1909. This is, as always a fine production, typographically, pictorially, and horticulturally. Darwin tulips, Clara Butt and Gretchen, are shown on the front cover page and Mayflowering tulip Picotee on the back. There are many superb half-tone illustrations.

INCORPORATED.

Auburn, N. Y.—Smith Bros. Seed Co.; capital \$10,000.

Wenatchee, Wash.—The Milot-Mills Co.; Leon I. Milot, C. A. Mills.

Olean, N. Y.—Olean Plant & Cut Flower Co.; D. R. Herron, E. F. Rawlings, E. Chester.

Bound Brook, N. J.—The Wadley Nurseries; W. J. Reid, E. Elinger and others; capital, \$20,000.

PUBLICATIONS RECEIVED.

Transactions of the Massachusetts Horticultural Society for the year 1909. Part I.—This, as customary, covers the lecture season beginning with the new year. It presents in full the address of the president of the Society and the nine lectures of the course and the discussions following each.

We have received from Leesley Bros., Nurserymen, Chicago, a neat little six-page folder which presents to the home owner in unusually concise and effective manner the transformation which the gardeners' art can produce in the grounds about the house. It ought to bring profitable business.

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931,950. Pipe-Connection. Henry Mueller, Decatur, Ill., assignor to H. Mueller Manufacturing Company, Decatur, Ill.

932,349. Heating System. David M. Stott, Chicago, Ill., assignor of one-half to Horace E. Argo, Chicago, Ill.

The horticulturists of Floyd County, Ind., will hold a demonstration meeting at Georgetown on Sept. 25, conducted by experts from Purdue Experiment Station.

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Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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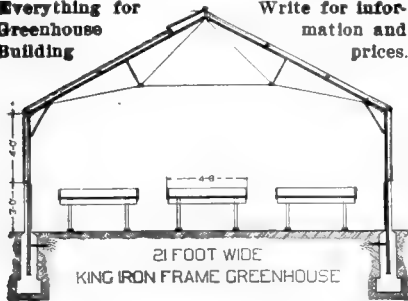
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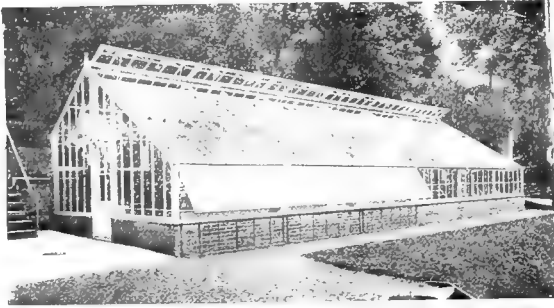


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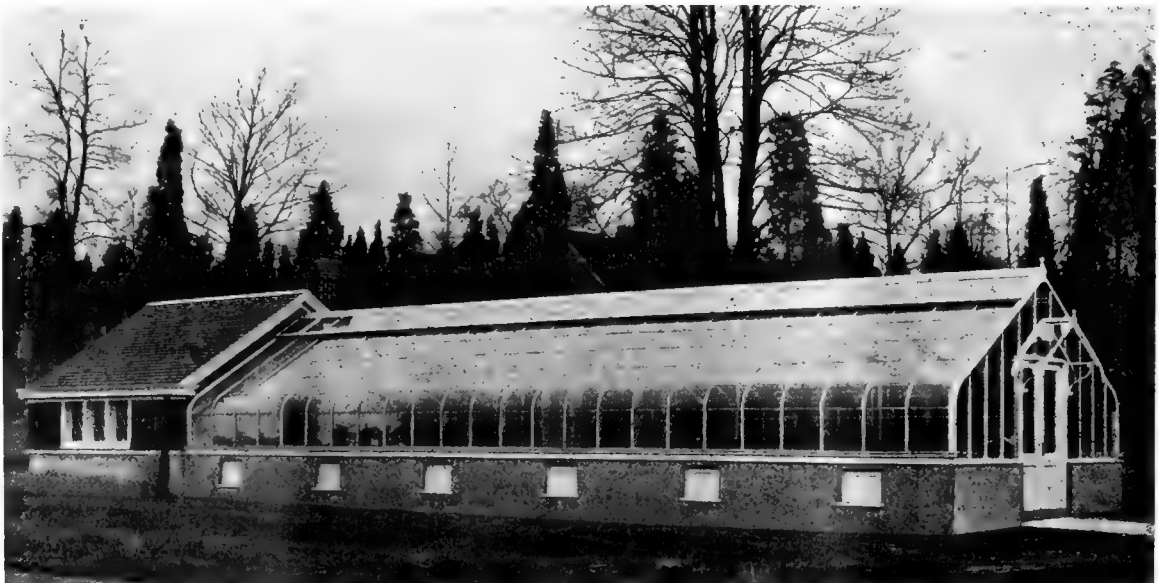
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One for You and Plan it so it Can
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HORTICULTURE

Vol. X SEPTEMBER 18, 1909 No. 12

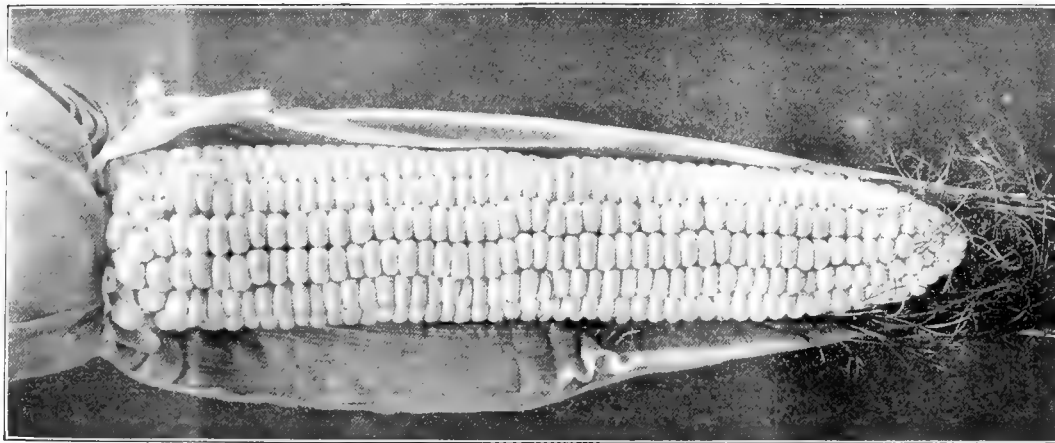


A HOUSE OF WHITE ORCHIDS

Dendrobium nobile virginale at Armstrong & Brown's, Tunbridge Wells, Eng.

Devoted to the
**FLORIST, PLANTSMAN,
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EVERY SATURDAY
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HOLMES' DELICIOUS EARLY SWEET CORN

An entirely new and distinct variety. Ready for market sixty-five days from date of planting. Without exception the most delicious early corn.

Fully equals our Premo in size—twelve rows to the ear, and among the first in the market. The stalks grow from five to six feet high and in the entire crop we grew, found the ears to be free from smut. It is evidently a drought proof corn as it did well throughout the entire past dry season.

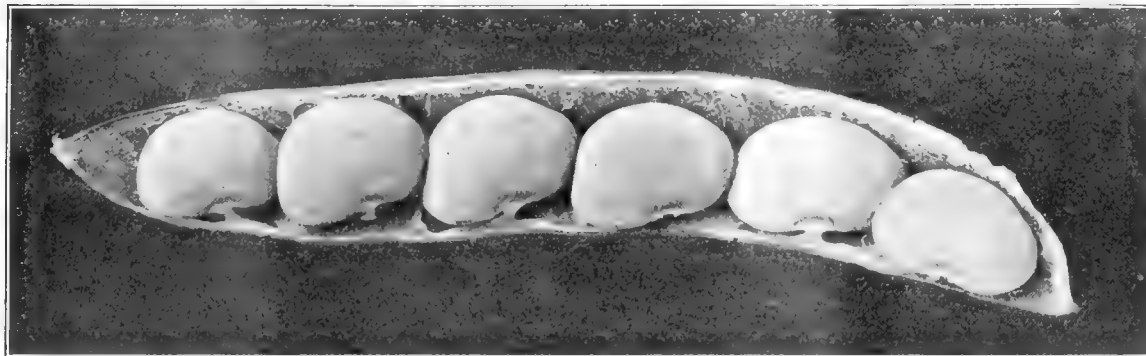
We have made it a rule never to introduce a novelty in vegetables or flowers that did not have merit, and was not fully up to our representations. We can truthfully say in offering this corn, HOLMES' DELICIOUS, that we do so knowing that it will grow in public favor, the same as our many other novelties which we have introduced, such as HOLMES' PREMO CORN, HOUSER CABBAGE, etc. The mere fact that both these novelties are listed by the large majority of the best seed houses, not only in the United States, but in Germany and other parts of the world, substantiates our claims made in the past.

The private gardener is always on the lookout for something superior to anything he has had before. The HOLMES' DELICIOUS meets his requirements. The market gardener is also always on the lookout for something extremely early. This also meets his wants. The farmer, as well as the private and market gardener, is just as eager to secure a good article, and to him we can truly say the HOLMES' DELICIOUS meets his requirements.

William K. Harris, the noted florist of Philadelphia and the father of the Liliu Harrisii writes: "In my honest opinion it is the most delicious corn I have ever eaten. It is tender, juicy and sweet and has a flavor most pleasing to the palate. It ranks far ahead of any of the varieties that have yet come before my notice. I have given this corn to a great many of my friends, and they all pronounced it superior to anything they had ever eaten."

I desire to express to you the satisfaction I received from your Delicious Sweet Corn, which I ordered from you this past Spring. With me it was six days earlier than two other extra early varieties, and these latter two varieties are considered the earliest of all. Also it is harder than other early varieties, it withstands the wet and cold soil of a late spring, and can thus be planted a week or ten days ahead of any other corn. You have it named correctly, for in flavor it is delicious. Yours very truly, DAVID RUST

WE SHALL HAVE AMPLE TO SUPPLY THE TRADE THIS YEAR. WRITE FOR PRICES.



HOLMES' GREEN PROLIFIC POLE LIMA BEAN

Grows green, keeps green and dries green; the only LIMA BEAN that is absolutely green when dry.

The most productive POLE LIMA BEAN, as early as the EARLY JERSEY and unquestionably the most prolific of all Pole Limas. The large pods hang in clusters of from five to eight, which makes them easy to gather, each having from five to six beans in a pod. It is strictly one of the most remarkable novelties that has been offered for many years and one which every seedsman appreciates as well as the market gardener. There will be no disappointment in the crop. Although a very dry season, this bean has absolutely surprised the grower as to its prolificness, and its fine eating quality, etc.

Messrs. George R. Pedrick & Sons, who grew this bean for us this year write: "The HOLMES' GREEN PROLIFIC POLE LIMA BEAN which we grew for you this past season, was one of the most productive POLE LIMAS we have ever grown, bearing 1-2 clusters, six to eight pods containing from five to six perfect formed beans as large as the KING OF THE GARDEN or LARGE WHITE LIMAS, of true dark green color, which has long been sought by many seedsman, and we believe this is one of the novelties which has come to stay that has merit. In flavor they are delicious and tender."

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Winsor and Winona, extra fine,
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11900 Lady Bountiful,	white, at	\$6	\$50
4050 White Perfection,	" "	7	60
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8550 Mrs. Thos. Lawson,	" "	6	50
716 Mabelle,	" "	5	
1500 Roosevelt,	red "	5	40
1360 Harlowarden "	" "	5	40
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1500 Asparagus Sprenger, in 3 in. pots	" "	3	

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Afterglow, Winona, Winsor, splendid
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Our Alabama Sabbatias we believe
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They are something grand and we
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hardy everywhere. We have a fine
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A favorite everywhere, can furnish
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Headquarters for all the above and other
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THE FINEST STOCK OF HEDGE PLANTS FOR FALL DELIVERY

Barberry Thunbergi, 12 to 18 inches, Bushy \$7.00 per 100, \$60.00 per 1000
California Privet, 2 to 3 feet, Bushy \$3.00 per 100, \$25.00 per 1000
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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
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strong divisions, three to five eyes, and
one, two and three year plants.

We also offer a superb line of IRIS, PHLOX and other PERENNIALS. Catalog free.

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following varieties of

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Abies Balsamea, Concolor, and Fraseri; Junipers
of various varieties; Picea Alba, Engelmanni, Ex-
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Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor,
Picea pungens, and Pinus Strobus. Most of the
above varieties can be safely planted from the
middle of August until the middle of Sep-
tember. A personal selection is always advisable.
Boston and Worcester Electricians pass our grounds.

ADDRESS

W. B. WHITTIER & CO.
South Framingham, Mass.

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A SPECIALTY

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PINUS STROBUS

White Pine

	Per 100.
3 to 4 ft. XX with ball.....	\$50.00
4 to 4½ ft. XX with ball.....	70.00
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5½ to 6 ft. XX with ball.....	150.00
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7 to 8 ft. XX with ball.....	225.00
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We have a very large and fine block
of Pinus Strobus in the larger sizes,
and are confident that our stock is finer
than any in New England. We shall
be glad to give special prices on large
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Eastern Nurseries,
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and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
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Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

Notes from the Arnold Arboretum

Several very ornamental species of our native Elders have recently been introduced into cultivation. The best of them is probably *Sambucus canadensis acutiloba*, a form with deeply and finely cut leaves which give the shrub a very graceful appearance. It is particularly beautiful in June when it is covered with its large clusters of white flowers and again in September, when the branches are weighted down by masses of purplish black berries. Another striking variety of the same species is *Sambucus canadensis maxima*, a strong grower with large foliage and exceedingly large flower clusters measuring often twenty inches in diameter. It is a very effective shrub especially for planting on the banks of brooks or ponds. A variety somewhat similar in foliage to the first named one is *Sambucus pubens dissecta* which is very handsome particularly when it is studded with its pyramidal dense clusters of scarlet berries ripening in June; the foliage is tinged purplish when unfolding. All three are of course perfectly hardy here and are of vigorous growth.

Besides the well known Trumpet Vine, *Tecoma radicans*, its hybrid with *T. chinensis* called *T. hybrida* merits attention; the orange and scarlet flowers surpass those of the first named parent in size and the inflorescence is larger and looser. It also climbs by aerial rootlets though it does not seem to grow as high as *T. radicans* and is slightly tenderer than that species, but hardier than *T. chinensis* which it almost equals in the size of its flowers.

Another little known late flowering climber is *Polygonum baldschuanicum* which bears from August until late in fall large clusters of pinkish white or nearly white flowers. The bright green leaves are ovate or oblong-ovate in outline, heart-shaped at the base and from two to four inches long. It grows to a height of about twenty feet and looks its best when climbing into loosely branched trees, as it bears its flowers chiefly on the upper part of the stems. Compared with other late flowering climbers as *Clematis paniculata* and the similar, but smaller and more graceful *C. apiifolia* it has the advantage of its flowering time extending over a much longer period.

The young plants of the Chinese Tulip tree, *Liriodendron chinense*, look promising and vigorous; the handsome foliage is very similar to that of the native species, but is somewhat larger, more glaucous on the underside and tinged purplish while young, the lobes are generally more pointed. The flowers are smaller and the tree in its native habitat seldom exceeds twenty feet. Its hardiness has not yet been tested here, but as it has been found in Central China at an altitude of six thousand feet, we may hope that it will be fairly hardy here. The discovery of a Tulip tree in Central China has been of great botanical interest, as until then *Liriodendron* had been considered a typical American tree. A similar case we have in *Sassafras* which was up to a few years ago considered as a tree peculiar to the American flora, until *Sassafras Tzumu*, which can hardly be distinguished from the native species in its general appearance, was discovered in Central China. It also has been introduced into cultivation and has proved hardy in England.

The Rose in South Africa

The following interesting information concerning the cultivation of roses is taken from a communication by E. Paetzold of the Nursery Tarkastad (South Africa), and given in *Die Gartenwelt* for August 28. "Wherever a valuable variety of a rose appears in Europe it soon gets to South Africa. We possess the best of the novelties to be found in Germany, England, and France. The raising of roses differs, owing to the mildness of the winter, from European practice. Seedlings as stocks are unknown; only cuttings are employed which in late summer, here, at an altitude of 1500 metres above sea level, as early as the beginning of February are set out in close lines. By the beginning of May they are fit for working. The worked plants remain till early in the spring undisturbed, and are then planted out at a sufficient distance apart, and allowed to grow as freely as they may before cutting the shoots back; and the method is found to work admirably. At lower levels the cuttings are set out in July—the winter season here—and are ready for budding in November. By the employment of strong buds these begin to grow in the course of fourteen days, and with weak buds in three to four weeks, and flowers appear from February till Whitsuntide at which season the temperature descends to 2 degs. C. At flowering time the nurseryman and gardener has the interesting opportunity of observing the old and the constantly developing novelties.

Although the latter are not always the finer, there are sure to be some that may prove desirable improvements on older varieties and worth preserving. It is not every variety that finds favor in Europe which is a success here, for it is not every variety that is equal to enduring the African sun and climate. Many varieties cannot withstand the vertically descending rays, the changeable temperature at great altitudes, and the attenuated parched air. There are a number of varieties which cause much labor and effort in keeping them partially free from mildew: The new Rose Reichs-Kanzler is one of the complete failures and the worst failure that has found its way to South Africa, and so it may turn out in the future in Germany. The reigning drought demands the most careful application of water by means of water channels and sluices, more especially when rose stocks are grown from cuttings; and in high summer the land requires to be laid under water every eighth day. As has been stated the flowering time for roses endures to the end of May, and beginning of June

South Africa offers a paying business field to experienced clever gardeners, although competition has greatly increased in recent years. The love of flowers is fostered by horticultural and agricultural exhibitions not alone in the towns but likewise in the country. The average farmer is a rose lover and a judge of roses, and for these reasons the good novelties soon get distributed over the entire country. Every owner of a garden knows the white hybrid perpetual Frau Karl Druschki; and notwithstanding that the plant cost in the first year £1 per plant there were plenty of purchasers. A house without a garden is unknown or a garden without a rose. At rose flowering time, the rose is the constant decorative material, and the rose bouquet is found without fail on the Englishman's table.

Alfred Rehder.

Fredrick Moore

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three-fifths fare, and the Southeastern Passenger Association a rate of one fare plus fifty cents for the round trip, when the Society of American Florists, a much larger organization, failed to get a "look in" for their convention at Cincinnati although they had received liberal concessions every year previous for nearly a quarter century? New York to Cincinnati and return, in 1885, \$16.00; ditto in 1909, \$31.50; and all other points got the same dose. If delegations of old-fashioned proportions are wanted for Rochester next year the transportation problem is one of the first things for consideration by the powers that be.

Exhibition essentials

Now that the season of exhibitions is at hand, problems connected with these affairs will demand attention from those upon whose shoulders the burden of management has been placed. Three things are essential to the full success of a show, viz., a satisfied public, satisfied exhibitors and a financial balance on the right side of the account. The latter depends largely upon the attainment of the first. The second depends upon neither of the others. It may be asserted by some, and with pretty good reason, that a full set of satisfied exhibitors is an impossibility; that the competitor who has failed to reach first place will rarely admit that the judges' decisions were right and that there always has been and always will be something for him to find fault with. Still, we can't have shows without him and too much wisdom and diplomacy cannot be exercised beforehand to provide against anything that may later on afford a basis for complaint. In other words the judges cannot be selected too carefully, the schedules and rules cannot be too explicit in their wording and all sources of past dissension should be removed as far as possible.

It is unfortunate that some more general standard—something in the way of a more uniform system of judging, is not in existence. A good start has been made in that direction by the chrysanthemum,

rose and carnation societies and it should be followed up and worked out until a universally accepted set of scales for all classes of exhibits has been assembled for the use of judges. The Society of American Florists should take up this work and is in a better position than any other existing body to formulate rules and regulations and bases for judging that will be generally recognized and gladly submitted to by exhibitors who, hitherto, have had to take all kinds of chances if desiring to show at divers places and to accept the dictum of judges of varying experience and widely dissimilar viewpoints. Nothing in the above should be construed as reflecting on the ability or integrity of those who have heretofore served as judges or on their decisions. So far as our experience extends we know that judges are carefully chosen, their decisions impartially made and verdicts that have been questioned have generally been found able to stand analysis. Yet the duty of judging is not, under present conditions and possible contingencies, one that many care to assume. The best men are none too good, however, for such a service and everything possible should be done to remove existing sources of misunderstanding and consequent heart burnings so that able men who have heretofore been inclined to avoid the responsibility may become willing to serve on judging committees.

A convention handicap

We are in receipt of a prospectus for the meeting of the National Nut Growers' Association to be held at Poulan, Ga. By what strategic and subtle influence has the energetic secretary of that society been enabled to manoeuvre the Trunk Line Association, Central Passenger Association and Western Canadian Passenger Association into granting a rate of one and

A Great Pornologist

In Northeastern Iowa near the beautiful town of Charles City there lives a quiet man who has given forty years of his life to the improvement of the apple. Few men have done so much with so little assistance and accomplished such results as Chas. G. Patten. Unfortunately like many others who have performed wonders for horticulture he has reaped but a meagre reward.

He found himself in a bleak cold region where the fruits raised in the East could not grow. Orchards after orchards were planted only to be killed by old Boreas. A hardier race must be provided. He set himself to this task with unwearied patience. His first success was Patten's Greening which proved to be next if not superior to the Wealthy in hardiness and productiveness. I think today it takes the lead of all. He showed me the original tree now forty years old and laden with fruit, some times producing twenty-five to thirty bushels a year. And yet with all this drain it is very robust and is in thriving condition. This tree of itself is worth millions to the people of the great prairies. He received but little from it. It has now, in a measure, gone out of his hands and is enriching nurserymen and planters all over the West.

It is not a shapely nursery tree. Here let me say a word for homely things; they may be good for all that. Some of our very best apples grow on unshapely trees. Tolman's Sweeting is one of our best and yet it is the meanest tree in the nursery. Jonathan is a poor grower and not very handsome. It is next to impossible to get a Patten's Greening up to be a nursery dude. But it is there for business and a great deal of it.

The next tree which has been a success is the Iowa Beauty. This was branched low—a very sturdy tree and a prolific bearer. Mr. Patten has hundreds of very choice trees from carefully hybridized seeds which promise well for the future.

I suppose the two best apples of the finest flavor are Jonathan and Grimes' Golden Pippin. These are not hardy in the North. They must have a hardier stock. In making experiments it is found that scions of a tender tree are made hardier by grafting them on ironclad stocks. So with care these choice apples were started in protected places. Then when they blossomed they were crossed with the hardiest kinds to be had and the problem was solved. The most luscious apples now grow on the hardiest of trees. But how much time and patience this requires. Mr. Patten and the writer are of the same age—both born in 1832. His work is now in a critical stage. If he is taken away who will carry it on? Burbank is doing a great work for the Pacific coast, but nothing in comparison to the work of Iowa's grand old man who wants to see the great bleak prairie states filled with orchards of hardy trees which will pour millions of luscious fruits into the homes of the people.

Mr. Patten is also having phenomenal success with plums. He found none that were satisfactory and so he is building up a new race. He shows his faith by his works and he and his sons are planting good sized orchards with his new productions. One in this work must be conservative. A tree may do well where it is born and when moved to a different locality it may not succeed. So it takes time, research, infinite patience and a good deal of cash to produce results. The strangest thing is that the State and General Government do not take this enterprise so successfully launched and carry it to its fullest development.

C. S. Hammon

Garden Leaves

Lord Rosebery's recent eulogium of garden literature at a Scottish flower show is a timely reminder of the important part played by horticulture in the world of letters. A whole library is at the disposal of the novice to enhance his enjoyment of the "purest of all human pleasures." A dozen weekly journals in Britain keep his cultural knowledge in line with the season's changes. One marvels that the amateur tiller of the soil is able to do justice to his garden and the numerous writers who desire to instruct or enthuse him. The hesitant amateur has but to follow the daily practise lucidly set forth in Mr. Rider Haggard's "A Gardener's Year," and all the difficulties and dangers vanish, whilst one gains an added zest in the enjoyment of the necessary toil. The result of the daily labors is appraised at a greater value when viewed in the light of the Poet Laureate's well known work, "The garden that I love." The reader returns to his flower beds with an extended knowledge obtained from a close observer of the limitless delights of garden life. Many recruits to the gardening army have been attracted by the charming pen pictures in Mrs. Earle's "Potpourri from a Surrey Garden." The gifted authoress is as skilled in raising plants as in depicting garden scenes with a facile pen.

A STANDARD WORK

One of the most popular gardening works is the late Dean Hole's "A Book About Roses." The genial Dean wrote with the full belief that "The happiness of mankind may be increased by encouraging that love of a garden—that love of the beautiful which is innate in all of us." This book was first published in 1859; it ran through twelve editions in as many months and has been translated into nearly every European tongue. It is to the gardener what Izaak Walton's "Compleat Angler," is to the fishing fraternity. Not only is it a standard work on rose culture, but it is full of the versatile Dean's humor and broad-minded toleration. One of the lessons inculcated is that "He who would have beautiful roses in his garden must have beautiful roses in his heart." He put into practice his precepts, for at the time of his death there were over 5,000 rose trees in the Deanery garden at Rochester.

The works of several novelists reveal the practical knowledge of their authors in gardening matters. For example R. D. Blackmore had a market nursery in the Teddington district, and was very successful in fruit culture. George Meredith, in his robust years, was a keen gardener. Eden Phillpotts has given ample evidence of his intimate knowledge of gardening in the horticultural work he has published. The great fascination of gardening to the literary worker has been summed up by Mrs. Loudon, who in one of her books, states: "The great secret of being happy is to be able to occupy ourselves with the objects around us so as to feel an interest in watching their changes."

The love of gardening creates a sympathetic feeling between the author and his readers. Mr. Alfred Austin has commented on this freemasonry. "The apron of the gardener, like the apron of a freemason," Dean Hole once wrote, "means not only honest work but a brotherhood."

London.

W. H. Adsett.

NEWS OF THE CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The opening meeting for the fall season was held at the club rooms on 23rd street, New York, on Wednesday evening, September 13. The attendance was about fifty, a fair number for a starter. President Turner occupied the chair. Many and various matters were disposed of. S. S. Butterfield, who has removed to Oklahoma, was elected an associate member, and incidental thereto "Bobby" Schultz expounded parliamentary law so ably that even Patrick O'Mara might have been jealous had he been a man of jealous proclivity. After routine business had been disposed of, President-elect Pierson of the S. A. F. was called upon for remarks and was received with great acclaim. He spoke of the convention at Cincinnati as very successful and referred appreciatively to the honor which had been conferred on the N. Y. Club and himself in his election. He asked for earnest co-operation so that a record might be made at Rochester of which all might be proud. The national society must look for much of its strength to the support of such bodies as the New York Florists' Club. It is now time for concentration. It is in the air, and the special organizations now operating independently will soon find their best interests served in a broad union under the National Charter. The charter is a power for good and can be used to do much more for the trade than hitherto. He urged the advisability of a general horticultural exhibition in connection with every convention hereafter, to interest the public and develop horticulture. The opportunity is too good to be lost.

F. H. Traendly spoke enthusiastically concerning the national flower show to be held in Boston in 1911. He hoped that the Carnation and Rose Societies would agree on a joint meeting next season, which would be the first practical step towards federation.

Patrick O'Mara said that Mr. Pierson's task would be the unifying of apparently conflicting interests which must always run parallel, and there is no man in the S. A. F. better fitted to deal with such a concrete question. Mr. O'Mara's address was serious, eloquent and full of loyal devotion to the S. A. F. He was followed by Wm. J. Stewart, who seconded Mr. O'Mara's views and said that the two greatest problems for the National Society are those of closer relations with existing organizations and the creating of a greater interest in the convention sessions. John Young also made remarks in felicitous vein.

The fall show to be held at the Museum of Natural History under the auspices of the Club was discussed, and Mr. Pierson impressed upon the members how much depends on the result of this initial exhibition. W. E. Marshall seconded Mr. Pierson's views, as did also C. H. Totty and others.

Robert E. Berry, eloquent and forcible as always, explained the difficulties which operated to prevent his

bowling team from securing the coveted prizes at Cincinnati, and registered a vow that he would be present at Rochester with a winning team, and at every convention thereafter, whether held in Oklahoma or at the North Pole.

A letter was received from H. A. Bunyard, who is out of town, expressing gratitude to the club members for their support at Cincinnati in his candidacy for secretary and extending congratulations to President-elect Pierson.

A unanimous vote of thanks was passed to the Cincinnati Florists' Society for the kind reception and hospitality extended to members of the New York Florists' Club.

The exhibits of the evening comprised some fine chrysanthemums from C. H. Totty, seedling hardy carnation from A. C. Zvolanek, Maman Cochet roses and white dahlias from A. L. Miller.

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

The Morris County Gardeners' and Florists' Society is again in harness after a two months' vacation. The monthly meeting of September 8th, brought together some thirty members.

The arrangements for the fourteenth annual Flower Show are about completed. It will be held in the assembly rooms, Madison, N. J., Wednesday and Thursday, October 27th and 28th. Wm. Duckham, Arthur Herrington, Chas. H. Totty and Robt. M. Schultz are the committee. Over \$500 in cash prizes are offered this time, besides several valuable silver cups. No society in the country has broader views; no strings on the prizes nor fences around them. They are free for all. The reason of this is, that above all, it is desired to give the public a good show, and the more entries we have the better the show will be, of course.

The Robt. D. Foote prize of \$25 for one vase of carnations, any variety in commerce, ought to bring out something good in carnations. Dr. D. H. McAlpin's prize of \$25 for 6 plants in 6-inch pots, suitable for table decoration is a new class and ought to be well filled, and so on down the line prizes are equally attractive. As the world knows there is no pecuniary profit in flower shows in this country, but they are being patronized better year after year and they may be self-supporting sometime, anyhow we hope so. So far as this society goes, however, it has a lot of substantial admirers who are always ready to stand in the breach when need be.

Wm. E. Tricker, foreman in Chas. H. Totty's Afton greenhouses was elected a member. Samuel Wyatt, gardener to A. C. Van Gaasbeck, had a very fine exhibit of branching asters and C. J. W. Ottolander, of Springfield Nurseries, had some new phloxes on exhibition.

Flower Show schedules may be had of E. Reagan, secretary, Box 334, Morristown, N. J.

NEW ENGLAND DAHLIA SOCIETY.

Lovers of the dahlia could find every conceivable form of it and every variation of color at the second annual exhibition of the New England Dahlia Society, which was held at Horticultural Hall, Boston, on September 10-12. The exhibit was the largest of the kind ever held in this country, and despite unfavorable weather, the blooms shown were of surpassing size and quality.

Many exhibitors showed from five hundred to one thousand blooms each. Of 126 classes provided in the schedule about one-half were entered for. In the center of the hall the largest exhibitor, W. W. Rawson & Co., was represented by a conventional arrangement in the form of a garden plot in which the flowers were displayed. The loggia was beautifully arranged with an exhibit from R. & J. Farquhar & Co., comprising dahlias and speciosum lilies, the walls being draped with *Clematis paniculata*.

The special prizes were awarded as follows:

The Dreer prize for six blooms of Dreer's White, first to W. F. Turner & Co., second to W. W. Rawson & Co. The silver medal of the New Bedford Horticultural Society for twenty-five cactus dahlias of twenty-five distinct varieties, introduced subsequent to 1905, went to Joseph Thorpe of Taunton. A New Bedford man, W. H. Richardson, took the Newport Horticultural Society's silver medal for the best collection cut blooms, from plants raised from seed in the United States since Jan. 1, 1905. A silver gilt medal, given by Cayeux et Le Clerc of Paris, France, for the best vase of twenty-five flowers of Madame Henri Careux, went to James Robertson of Newport. W. G. F. Turner took the prizes for the best vase of the Rawson dahlia and the best specimen flower of the same variety.

Awards of recognition for new seedlings were given to W. W. Rawson & Co., Boston; Frank R. Tuttle, Salem; A. E. Johnson, Montello; Mary C. Caswell, Concord, N. H.; Wm. F. Hall, Brockton; James Robertson and Colin Robertson, Newport, R. I.

The certificate of the Society was awarded to W. W. Rawson & Co. for cactus dahlia "Marblehead."

The regular prize list for cactus, decorative, show, pompon, anemone, peony-flowered, collarette, single and various other types calling for numbers from single specimen up to hundreds was divided into open and amateur classes. In the open classes the exhibitors and their awards were as follows:

W. F. Turner & Co., New Bedford, 7 first, 6 second, 1 each third and fourth; Jas. Robertson, Newport, R. I., 4 first, 1 each second and third; E. W. Ela, Woburn, 3 first, 4 second, 1 third; Sisson & Thurston, Newport, 3 first, 1 each second and fourth; C. Miller, Newport, 3 first, 1 each second and fourth; A. E. Johnson, Montello, 3 first, 1 third; Lindval & Delury, Dorchester, 2 first, 1 second, 3 third; W. A. Riggs, Jamaica Plain, 2 first, 1 each second and third; W. W. Rawson & Co., Boston, 2 first, 1 third; W. H. Richardson, New Bedford, 2 first, 2 second; D. W. Babcock, Berlin, Md., 1 first, 2 second, 1 third; Mrs. L. M. Towle, Reading, 1 first, 1 sec-

end, 2 third; Mrs. E. M. Gild, Medford, 1 first, 1 second; E. S. Manuel, Newport, 1 first; W. H. Symonds, Marblehead, 2 second, 3 fourth; F. L. Tinkham, Brockton, 1 second, 2 third; J. K. Alexander, E. Bridgewater, 1 second, 1 third; W. F. Hall, Brockton, 1 second; Joseph Thorpe, Taunton, 1 fourth.

On the second day a number of displays of miscellaneous material were put up under the auspices of the Massachusetts Horticultural Society. The group by Messrs. Farquhar, above referred to, was one of these. Others were Mrs. J. L. Gardner who showed specimen ferns, Clerodendron Fallax, Begonia The Rajah and Cypripedium Fairrianum; E. J. Mitton, a seedling cattleya, and James Garthley seedling melons.

CONNECTICUT HORTICULTURAL SOCIETY.

Our first September meeting was held on the 10th inst., in the County building, Hartford, President Huss presiding. Much routine business was transacted; and, after a long and interesting discussion, led by James M. Adams, of Hartford, it was voted that the secretary write to the managers of the recent Connecticut Fair, which was lately held at Charter Oak Park, gently protesting against their not offering any prizes for amateurs in the floricultural department. Very likely this matter will be considered and acted upon another year by the managers. J. A. Weber, one of our members, had charge of the floral display at Charter Oak, and considers it the best one ever seen in this vicinity.

Peter Zuger, head gardener at Elizabeth Park, exhibited thirty-six varieties of asters, and President Huss some blooms of several hardy perennials, and T. B. Brown of Windsor eight varieties of tuberous begonias, at this meeting; all of much merit and interest.

The proposed excursion to Amherst, Mass., jointly with the horticultural societies of New Haven and New London counties, has been abandoned.

Arrangements are now about complete for our dahlia exhibition, Sept. 23 and 24, at Unity Hall, Hartford. The schedules are now in circulation.

The next meeting will be held on the 22nd inst., at Unity Hall, the night previous to the opening of the dahlia show.

GEORGE W. SMITH,
Melrose, Ct. Secretary.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

About sixty members and ladies, of this club, enjoyed a visit on invitation of Mr. Wyman, to the Bay State Nurseries at North Abington, Mass., on Saturday, September 11. On arrival they were escorted by Mr. Wyman to the hotel where a substantial dinner had been prepared. The party was then conveyed to the various nurseries in autos. The herbaceous perennials were first inspected. The deciduous shrubs were next seen and the extent and completeness of the collection was commented upon. The Weymouth line nursery and the evergreens came next and the immense quantity grown was a revelation. The storage and packing sheds were inspected, giving an idea of the magnitude of this firm's business. Everyone voted it an exceptionally interesting and pleasant trip.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

There was interest and enthusiasm in plenty at the meeting of this club on September 7th. It was Gladiolus Night, and a fine exhibition was expected from the outside specialists, but Cowee wired a storm had prevented his shipment, Betscher that it was too late in the season, while Matthew Crawford of Cuyahoga Falls, through some error, sent in his shipment a week too early. The latter were exhibited for some days at one of the commission houses and drew the highest praise for the quality of the flowers.

Banning of Kinsman, Ohio, sent a stock among which were noted a pink seedling of America, a red seedling, not named, Sunset and Niagara; the latter is becoming quite a factor in the Pittsburgh markets and is well liked.

The Private Gardeners' schedule for September was carried out in good exhibits. The judges, John Bader and P. S. Randolph, awarded first prize for collection of herbaceous flowers to Fred Wissenbach; first for collection of annual flowers to Fred Wissenbach, second for same to Jas. Wiseman; first for gladioli to Fred Wissenbach. (This prize was taken with some magnificent spikes of variety Mrs. Francis King; first for vegetables to Frank Crook. A liberal sum of money for prizes, not all of which was expended, was donated by W. C. Beckert, the North Side seedsman.

The picnic committee reported expenses in excess of receipts of \$22.23 for the July picnic, which was ordered paid from the funds of the club. The various committees having in charge the arrangements for the coming Carnation Convention reported satisfactory progress, and that they would be ready to make some definite announcements at the next meeting.

Since spring the meetings of the club have been held with the different commission houses, owing to the fact that the building where the club has had its quarters for many years has been torn down. Permanent quarters have now been secured on the second floor of the Fort Pitt Hotel, one of the leading hotels of Pittsburgh, and the one that will be the headquarters of the Carnation Convention in January next.

Quite a number of the members had attended the Cincinnati Convention of the S. A. F., and were a unit in giving praise to the arrangements and hospitality of the Cincinnati florists. The work done by them seemed the more remarkable from the fact that apparently Cincinnati was not a flower town in the sense that some others of our large cities are, and consequently the Cincinnati florists would be lacking the stimulus and backing that the florists in some other more distinctively flower towns would have, so the more praise to them for their successful efforts.

Five names were proposed for membership and one new member was elected.

Subject for October meeting, which will be held in the Fort Pitt Hotel, "Dahlias and Seasonable Flowers," with an exhibition of orchids by the private gardeners.

H. P. JOSLIN, Secy.

AMERICAN ROSE SOCIETY.

Some More Special Prizes to Be Awarded.

President August F. Poehlmann wishes to ask particular attention of all intending exhibitors to the amended rule which is to be observed by exhibitors. This cuts out the requirement for a single growth of the current season. The rule Section 6 now reads as follows: "Any article manifestly unfit to show may be excluded by the management and the judges shall withhold any premium when the entries are unworthy of awards. The management may at any time order the removal of an exhibit which is in bad condition."

Since issuing the Preliminary Schedule there has been filed the following prizes:

H. F. Michell & Co., of Philadelphia, Pa., offer a Silver Cup valued at \$25 for fifty blooms of Killarney roses.

The Waban Rose Conservatories of Natick, Mass., offer a Silver Cup valued at \$50 for the best fifty blooms of White Killarney, Waban variety. Alexander Montgomery of Natick, Mass., offers a Silver Cup valued at \$25 for the best new rose of American origin of the year 1909-1910. For the prettiest exhibit of roses in the exhibition, to be decided by the ladies' vote, \$10 gold piece given by Miss Marian I. Hammond of Fishkill-on-Hudson, N. Y.

The happiest woman in the County of Dutchess and the State of New York was Mrs. Amelia Lefevere, who received a recognition of a medal from the American Rose Society for a dooryard of roses, so well kept that it was the admiration of the neighborhood. This award has excited considerable interest and is one of the ways to build up the American Rose Society in popular esteem and estimation. Let one person in a neighborhood set an example like this and others are sure to follow. The good work grows and the result is in a practical way a benefit to the commercial flower growers, aside from the pleasure which a well-kept dooryard gives to every passerby.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Berberis.

Public notice is hereby given that Mr. M. J. Van Leeuwen of The Continental Nurseries, Franklin, Mass., offers for registration the plant described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description—Originated in the spring of 1908 when it made its appearance in a batch of seedlings of Berberis Thunbergii. In manner of growth it closely resembles a compact form of the Berberis Thunbergii, making a strong lateral growth from the new wood of the same season. Development in spring from the dormant wood shows a mass of waxy white tinted with pink branches, which in turn develop into foliage of the same hue and color, which coming to maturity shows

**The Fruit Auction
Company will sell**

AT AUCTION

**On TUESDAY,
SEPT. 21st, 1909.**

Beginning promptly at 10.30 a.m. The following high-class PALMS AND DECORATION PLANTS, in lots to suit the trade.

64 KENTIA FORSTERIANA, Combination Plants, in Tubs, 7-8 feet.

64 KENTIA FORSTERIANA, Combination Plants, in tubs, 6 feet.

25 ASPIDISTRA LUR. VAR., Bushy, in Tubs.

6 LATANIA BORBONICA, 7 feet, fine spread.

12 PHOENIX CANARIENSIS, in tubs, 4½-5 feet.

18 " " " 6½-7 "

12 " " " 8-9 "

77 ARAUCARIAS (Excelsa and Glauca), 3 feet.

From leading and reliable growers. Plants ready for inspection on day preceding sale. Sale within their salesrooms.

Horticulture Dept. J. P. CLEARY, Mgr.

THE FRUIT AUCTION COMPANY,

P. O. Box 640.

NOTE THE DAY AND DATE.

**200-204 Franklin Street,
NEW YORK**

Tel. 1512 Franklin St.

a pencilling of emerald green becoming somewhat deeper and stronger during the latter part of August and September, then turning to a decided purplish green of the color of the *Berberis purpurea*. Its berries are of a coral red when ripe and often nearly round. Name—*Berberis Thunbergii*, var. *Silver Beauty*.

W. N. RUDD, Secretary.

September 10, 1909.

CLUB AND SOCIETY NOTES.

The Improvement Society of No. Andover, Mass., held a flower show on Sept. 10, 11, with choice exhibits.

The Autumn Exhibition of the Massachusetts Horticultural Society will be held on September 17, 18, 19, in Horticultural Hall, Boston.

There was a meeting of the Society of Indiana Florists September 9, and arrangements were made to hold a spring show on a large scale at Indianapolis.

The State Horticultural Society of Oregon has compromised with the heirs of Cyrus Hoskins, and will receive \$2500. in lieu of getting half of the estate.

The Toledo (O.) Florists' Club elected officers as follows at their last meeting: President, E. Kuhnke; vice-president, N. Nusbaum; secretary and treasurer, J. L. Schiller.

There will be a Dahlia show in connection with the next monthly meeting of the Pennsylvania Horticultural Society, Horticultural Hall, Broad and Locust streets, Philadelphia, Tuesday, Sept. 21st.

There was quite a creditable display in the floral department of the Indiana State Fair, held September 6th to 11th at Indianapolis. The premiums were pretty well divided among the dozen florists competing for same.

The annual exhibition of the Melrose (Mass.) Horticultural and Improvement Society was held in the City Auditorium September 9, and in point of quality and quantity the exhibit was the finest ever given by the society.

The show of the Montreal Horticultural Society was held on September

8 and 9 with well arranged and extensive exhibits from the various estates. Among the commercial prize winners the name of W. J. Wilshire is prominent in many classes.

September 8 was dahlia night at the rooms of the New Haven County Horticultural Society. George L. Stillman of Westerly, R. I.; Nathan A. Miller, of Branford; W. W. Rawson & Co., of Boston and John H. Slocombe, of New Haven, received awards of merit.

The Agricultural and Horticultural fair at Marshfield, Mass., on August 25, 26 and 27, was a success as usual. Fred Cole of Scituate took the first prize on vegetables also the Lawson prize; Patrick Kane was a close second. The MacMulkin display of vegetables was very artistically arranged and was a center of interest.

The floral exhibit at the State Fair at Hartford, Conn. was in charge of J. A. Weber, gardener for W. L. Goodwin, and the extent of the display and the artistic arrangement were superior to anything before attempted. Jas. Chambers and H. L. Metcalf were the judges and prizes were awarded as follows:—For stove and greenhouse plants: J. F. Huss, 1st; Edward Welch, 2d. Group of evergreens: Jas. W. Scott, 1st; W. W. Hunt & Co., 2d; C. R. Burr & Co. 3rd. John Coombs was first on palms, funeral pieces and bridal bouquets; Nelson Nelson, gardener at the Hartford Retreat, was first on cyclamens, tuberous begonias, geraniums; Whiting Greenhouses, first on carnations and fuchsias; and Mills & Co. had several first and second prizes.

DENDROBIUM NOBILE VIRGINALE.

The sight of the house full of pure white orchids which is illustrated on our cover page this week ought to make a florists' mouth water. What a gold mine it would be to have at one's disposal in wedding-bell time! The view is in the establishment of Messrs. Armstrong & Brown, orchid growers of Tunbridge Wells, Kent, England. The plants were raised from seed and grown in the house in which they are shown. The photograph was taken after they had been returned from the exhibition of the Royal Horticultural Society. This is unquestionably the finest lot of white *Dendrobium nobile* in Europe.

HONOR TO A CHICAGO NURSERY-MAN.

W. A. Peterson, of the Peterson's Nurseries, has been created a Knight of the Order of Vasa by the King of Sweden in recognition of his high standing among the Swedish people of America. The presentation was made by Vice-Consul Henry S. Henschel. Mr. Peterson is a trustee of Beloit College, McCormick Theological Seminary and other institutions of education and philanthropy. His father settled in Chicago in 1855 and the original home at Peterson and Lincoln avenues is now the home of W. A. Peterson, who greatly appreciates the honor conferred upon him.

Manetti rose stock is reported as short and several large dealers are refusing orders.

APHINE

HAS NO EQUAL

FOR THE

Greenhouse and Conservatory

But it is no less effective in its work on out-door plants.

(Such is the claim of experts.)

It Kills Black Fly, Green Fly, White Fly, Thrips, Red Spider, Mealy Bug, Slugs and Scale almost instantaneously without the slightest injury to the tenderest foliage.

A SPRAY

1 PART APHINE to 40 PARTS WATER

**\$2.50 per gallon;
\$1.00 per quart.**

George E. Talmadge, Inc.
MADISON, N. J.

NOW YOU ARE TALKING

Of placing that order of Fall Bulbs. Why not send it to a concern which buys the best imported stock regardless of cost? Our bulbs come from a grower who has furnished us good stock year after year. Not a single complaint was made to us about the quality of our regular wholesale stock last year. Isn't that worth considering?

MOREOVER YOU WANT TO SAVE MONEY

The new Tariff Bill established lower duties on nearly all kinds of Bulbs. We have so adjusted prices as to give you the benefit of every cent of the decrease. Isn't that an advantage worth taking?

Don't delay. Send your order before the most popular kinds are sold out. Mention this paper when you write.

JAMES VICK'S SONS, - - ROCHESTER, N. Y.

THE LILY BULB SITUATION.

Advices from one of the largest Japan bulb shippers, dated August 1, have reached us from Yokohama. He says that Formosums, multiflorums and particularly giganteums were still much too green to be dug and that shipments on the average would be from two to three weeks later than was the case the last few seasons. He continues: "Really it is a shame to dig and ship multiflorums before September 15 from Yokohama to get good bulbs that are mature and full of vitality. Giganteums should not be dug before October 1 at the best. I know this would mean September-October delivery for Formosa, October 15 to November 1 for multiflorum and November 1 to December 1 for giganteum, but I fully believe the bulbs would flower in the greenhouse just as early as if they had been shipped a month sooner from Yokohama. I am also convinced that the seedsmen would have no such claims for diseases and 'curly tops' as they now have; there is not over 5 per cent curly tops noticeable in the multiflorum fields and no disease at all in the giganteum districts. I think the kicks one has from the United States florists on giganteums being diseased are entirely due to the fact that the bulbs are dug too green. I propose using my own judgment in a large degree as to when all bulbs will be shipped this season, for I know the late deliveries will give flowers just as early as the first shipments and not contain near as many causes for kicks on disease, from the florists who purchase these bulbs from our customers."

We learn that several large shipments of Formosa longiflorum bulbs have been received in Chicago and New York in rotten condition, due probably to their having been stored too close to the boiler in the steamship.

THE VIOLET OUTLOOK.

Reports from the Rhinebeck district and other Hudson River points all indicate very satisfactory conditions and promising outlook. The plants are fine and healthy as a rule. There has been a moderate increase in glass during the year. The first pickings were made last week by several of the growers who take pride in being among the first to appear in the market with their product, but of course it will be some time yet before any

attempt at regular shipments is made.

Many representatives of wholesale houses in New York and Chicago have been on the ground looking over their prospects, the latter being the more aggressive and willing to take chances on values, etc., on which the New Yorkers after their experience of the past two years are more conservative. A conspicuous feature of the situation is the growing practice of sending violets by mail direct to small retail florists in quantities up to, say five hundred. Considerable quantities were thus disposed of last year.

Vonder Linden, now running the White place at Staatsburg, is building four violet houses, about 200 ft. in length at Rhinebeck. The Feeter houses in Rhinebeck have been sold to Madden of Jersey City and Ley, who

ran them last year, now has the Moore place.

MOVEMENTS OF GARDENERS.

Arthur Griffin has resigned his position as gardener for Ellridge T. Gerry at Newport, R. I.

James Sharkey has resigned from his position as gardener for Mrs. E. H. G. Slater at Newport, R. I.

Arthur Urquhart of Bar Harbor, Me., has taken a position on the S. P. Blake estate, Manchester, Mass.

Alex Nielson of Oconomowoc, Wis., has succeeded John Reardon as gardener to Martin A. Ryerson, Chicago.

Percy Herbert of Florham Farms, Madison, N. J., has taken a position with the Yuess Gardens Co., Newburgh, N. Y.

Lilium Longiflorum

Longiflorum Ready in October.
Regular stock, Japan grown. 7-9 in. bulbs, \$5.00 per 100; case of 300 bulbs for \$13.50.

Giganteum Ready in October. 7-9 in. bulbs, \$7.00 per 100; case of 300 bulbs for \$18.00.

Lilium Candidum Largest size, 82 c/m up, \$6.00 per 100, \$50.00 per 1000.

Freesia refracta alba French-grown, mammoth size, \$1.25 per 100, \$9.00 per 1000.

Freesia Purity \$2.00 per 100, \$18.00 per 1000

Hyacinths, Dutch Selected Named sorts, \$5.00 per 100, \$45.00 per 1000. Fine Named sorts, \$4.00 per 100, \$35.00 per 1000. Separate colors, \$2.50 per 100, \$22.50 per 1000. Miniature, 12-14 c/m, best named sorts, \$2.00 per 100, \$18.00 per 1000.

Multiflorum Ready in October. 7-9 in. bulbs, \$5.50 per 100; case of 300 bulbs for \$14.25. 9-10 in. bulbs, \$8.50 per 100; case of 200 bulbs for \$15.00.

Formosum 6-8 in. bulbs, \$3.00 per 100; case of 350 bulbs for \$14.00.

Tulips, Early Per 100 Per 1000

Artus	\$1.50	\$11.50
Belle Alliance	2.00	18.50
Cardinal's Hat	1.00	8.50
Chrysolora	1.00	7.50
Cottage Maid	1.25	10.00
Keizerskroon	1.50	13.00
La Reine	1.25	9.50
Pottebakker White	1.25	10.50
Yellow Prince	1.00	8.50

Tulips, Late

Bouton d'Or	1.00	8.00
Darwins	1.25	9.00
Gesneriana Spathulata	1.25	10.50

Narcissus

Paper White Grandiflora	1.25	9.00
Golden Spur, top roots	2.25	20.00
Princes, top roots	1.25	10.00

All of the above-named bulbs now ready except where otherwise noted.

Complete list of bulbs in our wholesale bulb list, sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON HUDSON, NEW YORK.



WM. ELLIOTT & SONS

Will hold their first sale at

AUCTION

TUESDAY, SEPTEMBER 21st, AT NOON

Offering a choice consignment of Foliage Plants for indoor decorative purposes.

W. J. ELLIOTT, Auctioneer.

WM. ELLIOTT & SONS,

42 VESEY STREET, NEW YORK

N. B.—Growers With a Surplus Stock

You will find it to your advantage to ship your surplus to our AUCTION ROOMS.

Sales Every Tuesday and Friday beginning September 10th

Please notify us when the goods are shipped and we will take care of them at this end.

N. F. McCarthy & Co., HORTICULTURAL AUCTIONEERS
84 Hawley St., BOSTON, MASS.

PÆONIES

16 Acres for Fall Delivery.
WRITE FOR PRICES.

GILBERT H. WILD, Sarcoxie, Mo.

Chinese Primulas

Vilmorin's Finest.
From 2½ inch pots, very strong.

\$2.50 per 100

ED. HERRMANN,
North and Milton Aves. BALTIMORE, MD.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

HEACOCK'S PALMS.

KENTIA BELMOREANA

6-in. pot, 22 to 24-in. high.....\$1 00 each
6-in. pot, 24 to 26-in. high.....\$1 25 each
6-in. pot, 26 to 28-in. high.....\$1 50 each
9-in. tub, 42 to 48-in. high.....\$5 00 each
9-in. tub, 48 to 54-in. high.....\$6 00 each

MADE-UP KENTIA FORSTERIANA

9-in. tub, 4 plants, 42 to 48-in. high..\$ 4 ea.
JOSEPH HEACOCK CO. WYNCOTE, PA.

VIOLETS

Governor Herrick, large clumps, \$4.00 per 100, \$35.00 per 1000. Lady Campbell, field plants, \$3.00 per 100, \$25.00 per 1000. Primulas, double Alyssum Asparagus, plumosus and Sprengerii, Geraniums, best var., \$2.00 per 100, \$5.00 for 500. Pansies from my well known strain, none better and Daisies (bellis), \$2.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

A. N. PIERSON, Inc., Cromwell, Conn.

WHITE KILLARNEY (Waban Strain)

	Doz.	100	250	500	1000	2500	5000
GRAFTED STOCK.....	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1,250.00

Having just returned from Europe I am now in a position to offer

20,000 AZALEAS

in leading varieties at lowest wholesale prices, also

Araucarias, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus,

150,000 Small Ferns for Dishes in best sorts

Wholesale Price List on Application.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

CHRYSANTHEMUMS

From Pot

Mrs. Clay Frick, White Shaw, Early Snow, Mrs. Jas. Marshall, The Harriott, \$3.00 per 100.

Autumn Glory, Ada Spaulding, Dr. Enguehard, Dorothy Devens, Geo. Kalb, Glory of the Pacific, Harry Hay, Ivory, Jeanne Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Paul Dean, Meta, Minnie Wanamaker, Mrs. Alice Byron, Mrs. Baer, Mrs. Robert McArthur, Mad F. Bergmann, Robt. Halliday, Timothy Eaton, Wm. Duckham, etc., \$3.00 per 100, \$20.00 per 1000.

Send for Catalogue of Roses, own root and grafted, and other miscellaneous stock.

WOOD BROTHERS

FISHKILL, N. Y.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.



OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohlii, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
PHILADELPHIA, PA.

Dreer's Special Offer of Araucarias

And Other Useful Decorative Plants

We have an immense stock of very fine and healthy plants grown in the open air under slat houses, and in order to reduce our stock before we have to house them, we offer for September delivery the following special values. Note size of plants offered for the price.



ARAUCARIA EXCELSA				Each
4 inch pots,	7 to 8 inches high,	3 tiers,	at.....	\$.30
6 " "	12 to 14 " "	3 " "	" " " " " "	.60
6 " "	14 to 16 " "	4 " "	" " " " " "	.75
7 " "	18 to 20 " "	4 " "	" " " " " "	1.00
7 " "	22 to 24 " "	4 to 5 " "	" " " " " "	1.25

ARAUCARIA EXCELSA GLAUCA				
5 inch pots,	8 inches high,	2 tiers,	at.....	.75
6 " "	12 to 14 " "	3 " "	" " " " " "	1.00
7 " "	16 to 18 " "	3 to 4 " "	" " " " " "	1.50

ARAUCARIA ROBUSTA COMPACTA				
6 inch pots,	12 inches high,	3 tiers,	at.....	1.00
6 " "	12 to 14 " "	2 to 3 " "	" " " " " "	1.25
7 " "	16 to 18 " "	3 to 4 " "	" " " " " "	1.50

ASPIDISTRA				
Lurida, Green-leaved,	5-inch pots,	6 to 8 leaves	.....	.50
" " " "	6 " "	8 to 10 " "	" " " " " "	.75
" " " "	Variegata, variegated leaves,	6-inch pots, 8 to 10 leaves	.....	1.00

DRACAENA MASSANGIANA				
4-inch pots,	at.....			.50

EURYA				
Latifolia Variegata. An evergreen shrub with rich dark green foliage, which is beautifully variegated with dark creamy white; an excellent plant for decoration:—40 cents each; \$4.50 per dozen.				

OPHIOPOGON JABURAN VARIEGATUS
A most useful variegated foliage plant, 35 cts. each; \$3.50 per dozen.

PANDANUS VEITCHI
6-inch pots, at \$1.00 each.

For the most complete list of seasonable stock that can be offered at this season of the year, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

ORCHIDS

All Orchids. Nothing but Orchids.
Best Orchids. Good Orchids.
We Collect Them. Write Today.
CARRILLO & BALDWIN, Secaucus, N. J.

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World
Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

ORCHIDS!

Just to hand a fine lot of C. Lablata, C.
Gigas Sanderianae, D. Bigibbum.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Gigas Sanderiana
Cattleya Schroederiae
Cattleya Lablata and Cattleya
Speciosissima
LAGER & HURRELL, SUMMIT, N. J.

Palms

Shrubs

Wittbold
FLORIST

Ferns

Perennials

Send for Our Catalogue.

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3 per 100, \$25 per 1000.

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St., - - CHICAGO, ILL.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2¼-in. stock, \$25.00 per 100.

WHITMANII

2¼-in., \$40.00 per 1000; 3¼-in., from Bench,
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

LILIES

Canadense, Super-
bum, Single and
Double Tigers,
named Elegans,
Tenuifolium, Wallacei, etc.

**GERMAN AND JAPAN IRIS, DEL-
PHINIUM FORMOSUM**

Write for prices

E. S. MILLER Wading River
L. I., N. Y.

PEACOCK'S CELEBRATED NEW DAHLIAS

JACK ROSE and other cut flower
sorts.

SEND FOR CATALOG.

Peacock Dahlia Farms
Williamstown Junction, N. J.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots, \$25.00 per 100 6 in. pots, \$75.00 per 100
5 in. pots, 50.00 " 7 in. pots, 100.00 "

THOMAS ROLAND, NAHANT, MASS.

Seed Trade

The Attitude of the Department.

Some writers would have us believe that the Agricultural Department officials are kindly and friendly disposed towards the seedsmen. This reminds one of the story of the Boston policeman who had escaped from the Emerald Isle only a few months before, and who began beating a man whom he had arrested. When the unfortunate protested this was the answer: "Sure Oim your frind, and Oim not bating yez because Oi hate yez, but because Oi have authority." To the writer it looks as if the Department has manifested the same sort of friendship for the seedsmen.

If there is a single instance where the Department through any of its officials has publicly championed the cause of the seedsmen, the writer has not heard of it. On the contrary there are many instances of quite opposite sentiments, and a decided undercurrent of hostility due, it would seem, to the efforts of the seedsmen to secure the abolition of the free seed distribution. In all their efforts in this direction they have not received at any time either the active or passive aid of the Department. On the contrary most of the officials have appeared to resent these efforts as though it were a personal matter between them and the seedsmen. Many instances could be given to show the "friendliness" of the present regime, but its attitude is so well known to the trade at large that such proof is quite unnecessary.

Notes.

Cincinnati, O.—Walter Gray, Jr., has opened a seed and flower store at 151 N. 3rd St.

Howard M. Earl, of Burpee's, left for California on the 13th inst. on a seed crop inspection tour.

European advices indicate another short year in fancy grasses. Very few items will show lower prices, and most of them will be as high, if not higher, than the stiff figures of the past two seasons.

We have direct information from an absolutely reliable source that the shipments of French hyacinths and narcissi have been considerably in excess of what they were last year at this time.

A seed trade correspondent writes as follows: "The report in last week's HORTICULTURE of the seed pea crop has struck terror to the hearts of the seed trade. HORTICULTURE'S record for fairness and accuracy in its seed trade notes has never been questioned, hence the stampe—although many of the big houses were slowly coming to the same conclusion. But all are now convinced that the situation is really serious and every one who is wide awake is taking prompt action to have at least some stock of the leading varieties for their regular customers."

Mr. Kerr, of Burpee's, has just returned to Philadelphia from an inspection of the aster crops around

Rochester, N. Y., and reports an unprecedented shortage on account of the dry summer. The aster seed crop from this locality will be very short indeed. As everybody knows, Rochester has become quite a factor in this line of recent years. No doubt we will hear from Mr. Vick on the subject soon. He is recognized as one of the big factors in the situation, and his offers will be eagerly looked for. There will be a scramble for aster seed all along the line, as the foreign crops are reported to be none too good. The haggler and the outsider will have very little show under present conditions.

An Enterprising Seed House.

The Holmes Seed Co., although located in Harrisburg, is practically a Philadelphia concern; the founder Harry L. Holmes having graduated from Burpee's. Charles H. McKubbin, now with Dreer, was originally a member of the firm. The Holmes Seed Co. was incorporated in 1902.



HENRY L. HOLMES

The seed business is very complex, difficult and far reaching. Very few have such a good grip on it as Henry L. Holmes. He has introduced some genuine novelties—universally recognized as great improvements today, of which we need only mention such sterling acquisitions as the Houser Cabbage and the Premo Corn. Their present debutantes are Holmes' Prolific Green Pole Lima and Holmes' Delicious Sweet Corn. We have had the privilege of examining the former recently, and as far as we can judge it fully bears out every claim made for it—a first class pole lima in every respect—and in addition—it dries green and cooks green. We congratulate Messrs. Holmes on the possession of these sterling novelties, and have no doubt they will be widely offered by the general seed trade in 1910—as we understand there is enough to offer at wholesale this fall to warrant cataloguing.

A good situation in a wholesale and retail seed house is offered in our "Help Wanted" Column, page 423.

CYCLAMEN SEED

NEW CROP

If you want thrifty plants that will bloom freely and produce gigantic bloom, then our Fancy Giant Cyclamen is the strain to grow. Our seed is grown for us in England by a leading specialist.

	100 Seeds	1000 Seeds
Duke of Connaught. Crimson	\$1.25	\$10.00
Excelsior. White with red eye	1.25	10.00
Grandiflora Alba. Pure white	1.25	10.00
Princess of Wales. Deep pink	1.25	10.00
Salmon Queen. Salmon rose	1.25	10.00
Mixed. All colors.	1.00	9.00

H. F. MICHELL CO.

1018 Market Street,
PHILADELPHIA, PA.

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

ORDER NOW French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

CYCLAMEN SEED

Especially grown for us in England. A superb, large flowering strain in 10 separate colors.

100 seeds, \$1.00; 1000 seeds, \$8.00

H. E. FISKE SEED CO.
Faneuil Hall Square
BOSTON, - - MASS.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

CABBAGE, Succession, Flat Dutch and Savoy,
\$1.00 per 1000. \$8.50 per 10,000.

CELERY, White Plume and Golden Self Blanching,
\$1.00 per 1000. \$8.50 per 10,000.

PARSLEY, 25 cts. per 100. \$1.25 per 1000.
CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Ward's Lily Bulbs

Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York



JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The Newman Floral Co., formerly
at 202 Fifth Avenue, has moved to a
new location at 16 East 45th St., New
York.

Lawrence, Mass.—Wingate, the Es-
sex Street florist, has had his store
handsomely decorated and thoroughly
renovated.

NEW FLOWER STORES.

Sacramento, Calif.—Wm. J. Ward.

New York, N. Y.—M. Rosenblum,
909 Second Av.

Bridgeport, Conn.—Robert H. Haw-
kins, Stratford Hotel.

New Orleans, La.—Mrs. Francis
Gruar, Washington St. & St. Charles
Av.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'ampton...Sept. 25

Atlantic Transport.

Minnetonka, N. Y.-London...Sept. 25

Cunard.

Ivornia, Boston-Liverpool...Sept. 21

Campania, N. Y.-Liverpool...Sept. 22

Caronia, N. Y.-Liverpool...Sept. 25

French Line.

La Lorraine, N. Y.-Havre...Sept. 23

La Provence, N. Y.-Havre...Sept. 30

Hamburg-American.

P. Lincoln, N. Y.-Hamburg...Sept. 22

Cincinnati, N. Y.-Hamburg...Sept. 25

Hamburg, N. Y.-Med'n Ports...Sept. 30

Holland-America.

Ryndam, N. Y.-Rotterdam...Sept. 21

Leyland Line.

Devonian, Boston-Liverpool...Sept. 29

North German Lloyd.

K. Wm. d. Gros, N. Y.-Br'n...Sept. 21

P. Fr. Wm., N. Y.-Bremen...Sept. 23

Berlin, N. Y.-Med'n Ports...Sept. 25

White Star.

Cymric, Boston-Liverpool...Sept. 22

Majestic, N. Y.-S'ampton...Sept. 22

Cretic, N. Y.-Med'n Ports...Sept. 23

Celtic, N. Y.-Liverpool...Sept. 25

"GREEN GOODS."

It is quite interesting to look through
the stock which is carried nowadays
by the wholesale dealer in florists'
"greens." Besides the main stock of
"spray" and "dagger" ferns, galax,
wild smilax, leucothoe, laurel and
sphagnum there are several other va-
rieties of ferns, mosses in a number
of species, cycas leaves and a variety
of palm leaves, and several kinds of
material used in the make-up of arti-
ficial palm trees, etc., such as cocoa fibre
which comes in sheets and is wrapped
around the make-believe trunks to
simulate natural palm growth. We no-
ticed at Kervan's, in New York recent-
ly, large coils of wild grapevine canes,
which can be had in almost any length,
and are used in the making of arti-
ficial grape or wistaria festooning.
When the decorating florist finds him-
self confronted with any sort of a puz-
zling proposition he will do well to
consult the resourceful green goods
man.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

**Choice Flowers and
Floral Emblems**

FILLED PROMPTLY

Orders by Wire Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

For Ste-mers sailing from Montreal and Quebec
Order by Mail or Telegraph from

McKenna
FLORIST

MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

The opening of the new La Salle Hotel this week has called for the use of many flowers, especially Beauties. The spacious parlors and dining room, balconies, etc., were decorated by O. J. Friedman with palms and bay trees and hung with laurel. On the opening days there were two panels about 16 x 20 ft. covered with oak leaves and golden rod and in the center of the room was a fountain, the basin of which contained night blooming pond lilies. The decorations called for immense quantities of material and the decorators replenished their vases each day.

Hoerber Bros. place at Des Plaines is practically finished. The matter of obtaining sufficient water is an important one. A well has been driven nearly 200 ft., without success as yet.

The Auditorium was elaborately decorated by The Geo. Wittbold Co. for the Taft Banquet on Thursday night.

Scheiden & Schoos have closed their stand in the market following the dissolving of the partnership.

Personal.

Mamie Reinberg, daughter of Geo. Reinberg, was married Wednesday, Sept. 8, to Paul Graben Kreuger.

T. J. McComb of 416 N. Hayne Ave., is in charge of the Department of Horticulture and Robert Dwyer of 110 Des Plaines street is superintendent of Floriculture at the coming State Fair in Springfield.

Wm. J. Smyth is able to be in the store again after an absence of thirteen weeks as the result of an auto accident. Mr. Smyth is able to walk with the aid of crutches and his entire recovery is now near at hand.

Clyde Leesley, senior member of Leesley Bros., nurserymen, has the sympathy of the trade in the loss of his eldest child, a little son two years old. The little fellow was named after the grandfather John Leesley who was the founder of the business and his untimely death on the 7th is a sad blow to his parents.

Visitors: Mrs. R. P. Anderson, Selma, Ala.; Paul M. Paley, manager for Chas. Vestal & Son, Little Rock, Ark.

INCORPORATED.

Dover, Del.—Huston, Darbee & Co., to produce, buy and sell fertilizers; G. H. Huston, H. C. Darbee, L. W. Culver, James Miller; capital, \$25,000.

Stamford, Conn.—The Frost & Bartlett Co., to conduct a general nursery business; H. L. Frost, Arlington, Mass.; F. A. Bartlett, C. A. Lockwood, Stamford; capital, \$25,000.

Glastonbury, Conn.—J. R. Morgan & Son, to conduct a florist, nursery and market gardening business; O. R. Morgan, S. J. Stevens, Glastonbury; H. B. Freeman, Jr., Hartford; capital, \$30,000.

Oakland, Cal.—The florist store of H. M. Sanborn, at 517 Fourteenth street, has been burglarized three times this year.

PERSONAL.

Visitor in New York: F. Gomer Waterer, London, Eng.

F. J. Schoen of Toledo has taken a position with the J. M. Gasser Co., of Cleveland.

Julius Roehrs is due to arrive at New York next Tuesday on the steamship Bluecher.

Robert O'Connor of So. Boston, Mass., an employe of M. Tuohy, is spending his vacation at Lake Cobosseecontee, Me.

D. C. Woodman of Whitefield, N. H., announces through the local paper that he has taken the agency for Julius A. Zinn, of Boston.

Jas. P. Brooks, who has been for the past four years with the Owatonna Nursery Co., Owatonna, Minn., has taken a position with the E. G. Hill Co. of Richmond, Ind.

Visitors in Boston: E. A. Moseley, Washington, D. C.; J. Muller, representing Julius Roehrs Co., Rutherford, N. J.; Prof. Adolpho Buyssens, School of Horticulture, Vilvorde, Belgium.

H. A. Barnard, representing Stuart Low & Co., Enfield, Eng., arrived in New York on Thursday, Sept. 9, and will visit the trade in different sections of the United States. His address is Hotel Albert, New York City.

Mr. E. H. Wilson, who recently returned from an exploring expedition in China, sails from England for Boston on September 17, accompanied by his family. He will be occupied at the Arnold Arboretum herbarium for several months, classifying his dried specimens, arranging his notes, etc.

J. K. M. L. Farquhar is nearing the end of his European tour and expects to reach Boston by Mediterranean steamer on September 27. He has assurances from several orchid people in Germany and England of special exhibits at the orchid show of the Massachusetts Horticultural Society next year.

Frank A. Koerner.

Frank A. Koerner, who followed the business of florist in Manchester, N. H., for many years, died Sept. 12 at his home, 228 North Main street, aged 70 years. He was a native of Saxony, but lived in Manchester since his youth. He enjoyed the distinction of being the senior member of the Manchester turnverein. He is survived by his wife, two daughters, Mrs. Annie Babel and Mrs. Augustus Smith, and two sons, Frank C. and Robert Koerner.

T. M. Waters.

T. M. Waters, of Eaton, Ind., died Sept. 6, at his home on North Barron street, after an illness of several months' duration. He was a victim of tuberculosis. Mr. Waters was 56 years of age and is survived by his wife.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.
66 PEARL ST., BOSTON
N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON
Inscriptions, Emblems, etc., Always in Stock

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.
Washington, D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—J. Newmau & Sons, Inc., 24 Tremont St.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tailby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

The bird that gets the worm
Is the bird that early rises;
The man who gets the trade
Is the man who advertises.
—Boston Herald.

N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

FIELD GROWN CARNATION PLANTS

W. Enchantress \$8.00 per 100; \$70.00 per 1000.
 R. P. Enchantress
 Enchantress
 Perfection
 Victory
 Bountiful
 Lawson
 Afterglow

\$7.00 per 100; \$60.00 per 1000.

GOOD VALUE — STRONG PLANTS

Boston Market
 Queen
 Jooste

\$5.00 per 100; \$45.00 per 1000.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

You Want Carnations

**UP-TO-DATE
 VARIETIES**
**Well-Grown,
 Healthy Stock**

The Advertisers of Field Grown Carnations in this Paper are the leaders in their specialty. You can rely on them. Send Your Orders to Them. Look through pages 399, 415.

DAHLIAS

Standard Varieties and Novelties in any Quantity

W. E. McKISSICK & BROS., Wholesale Florists
 1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
 Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
 Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens — WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 13	TWIN CITIES Sept. 13	PHILA. Sept. 14	BOSTON Sept. 15
ROSES				
A.m. Beauty, Fancy and Special...	25.00 to 30.00	25.00 to 30.00	18.00 to 20.00	18.00 to 25.00
" Extra.....	20.00 to 25.00	15.00 to 25.00	12.50 to 15.00	10.00 to 15.00
" No. 1.....	10.00 to 20.00	10.00 to 15.00	8.00 to 10.00	4.00 to 8.00
" Lower grades.....	5.00 to 10.00	5.00 to 10.00	5.00 to 6.00	2.00 to 3.00
Belle, 'Maid, Chateaux, F. & S....	5.00 to 6.00	4.00 to 6.00	5.00 to 6.00	3.00 to 6.00
" Lower grades.....	3.00 to 4.00	2.00 to 4.00	1.50 to 3.00	.25 to 1.00
Killarney, Fan. & Sp.....	5.00 to 6.00	6.00 to 8.00	5.00 to 6.00	3.00 to 6.00
" Lower grades.....	3.00 to 4.00	3.00 to 6.00	1.50 to 3.00	.25 to 1.00
Richmond, Fancy & Special.....	5.00 to 6.00	6.00 to 8.00	5.00 to 6.00	4.00 to 6.00
" Lower grades.....	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00	.25 to 1.00
My Maryland, Kaiserin.....	3.00 to 8.00	..... to	2.00 to 8.00	.50 to 6.00
CARNATIONS	1.50 to 3.00	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Chrysanthemums.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	8.00 to 12.00
Gladioli.....	4.00 to 6.00	3.00 to 8.00	2.00 to 3.00	.50 to 3.00
Asters.....	1.00 to 4.00	1.00 to 3.50	.50 to 3.00	.10 to .50
Coreopsis.....	15.00 to 50.00	40.00 to 50.00	60.00 to 75.00	50.00 to 75.00
Lilies.....	12.00 to 15.00	10.00 to 12.50	10.00 to 12.50	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Mignonette.....	3.00 to 4.00	2.00 to 3.00	1.00 to 2.00	.50 to 1.00
Sweet Peas.....	.50 to 1.00	.50 to .75	..... to .....	.05 to .80
Gardenias.....	25.00 to 40.00	30.00 to 40.00	20.00 to 25.00	20.00 to 25.00
Adiantum.....	..... to 1.00	.75 to 1.00	1.00 to 1.50	.75 to 1.00
Smilax.....	10.00 to 12.00	10.00 to 15.00	12.50 to 15.00	10.00 to 12.00
Asparagus Plumosus, strings (100).....	40.00 to 50.00	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00
" " & Sprea. (100 bchs.).....	20.00 to 30.00	35.00 to 50.00	25.00 to 50.00	15.00 to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.
 WHOLESALE COMMISSION DEALERS IN
 CUT FLOWERS — FLORISTS' SUPPLIES
 AND HARDY CUT EVERGREENS

15 PROVINCE ST., 9 CHAPMAN PLACE
 Long Distance Telephones
 2617-2618 MAIN BOSTON, MASS.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product
 want a regular or special supply of the
 product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the
 Wholesale Flower Trade

Flower Market Reports.

Some who have kept BOSTON records and made comparisons say that business this month is fully up to last year's limit but the impression one gets from seeing the accumulations of some things, especially asters, is that things are unprecedentedly quiet. Nothing like the present blockade of asters has ever been experienced here and they cannot be sold even at prices per 1000 which would have been considered too low per 100 two years ago. Roses of the special summer crop hold their own as to quality and value but the cut from young plants is increasing faster than the market can absorb. Lilies are rather scarce at present. Carnations are improving; some quite decent blooms are coming in and the quantity begins to make a little show. Plenty of dahlias are available but the commercial florist trade finds very little use for them and they cannot be said to fill any important place in the market movements.

Flowers of all kinds BUFFALO were plentiful the past week and trade was quite active. Aster's and gladioli too plentiful to feel comfortable though select stock moved quite well. Carnations are coming in more plentiful each day, but with short stems. Lily of the valley was in good demand, also white roses and Beauties. Plenty of greens and lilies.

Chicago market conditions are very favorable for the middle of September. While there is no decided advance there is a gradual quickening along all lines. Orders are coming in as fast as stock can be secured and stock is gaining in quality each week. Already it is stated by leading wholesale growers that the trade this fall is ahead of that of last year. As is well known, an unusual number of new houses have been erected during the past year. The increase is looked upon, as normal, being the florists' share in the general prosperity of the times. There is no especial shortage in anything now as the warm weather is bringing everything on at a lively rate. Good asters are in at last, but so are carnations which latter fact always checks the aster grower's returns from his summer's outlay of time and money. Lilies are more plentiful but this fact has not caused a letting down of the price which is high for the season. Roses are being hurried on by the warm weather. The demand and supply of Beauties are both on the increase and the quality is very good. Tuberoses, cosmos and other fall and late summer flowers are in, in quantity. Altogether the market has its dull days but even their fall trade is very satisfactory. The weather on Monday of this week reached a temperature of 89 degrees and the flower stock suffered accordingly. Tuesday the temperature was still very warm and trade was nearly at a standstill.



FIELD GROWN Carnation Plants

We offer, subject to prior sale, the following:

These are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and handled under the best possible methods, thus insuring results that will place the plants in our customers' hands in the very best condition.

ENCHANTRESS
R. PINK ENCHANTRESS
WHITE ENCHANTRESS
MRS. LAWSON

WHITE LAWSON
LADY BOUNTIFUL
WHITE PERFECTION
MRS. PATTEN

WINONA
WINSOR
SPLENDOR
AFTERGLOW

First grade \$8.00 per hundred. \$75.00 per thousand.
Second grade 7.00 per hundred. 60.00 per thousand.

NOTE.—Second grade are as good, if not better than most Growers' first grade.

QUEEN
GENEVIEVE LORD { \$5.00 per hundred.
HARLOWARDEN { \$45.00 per thousand.
SARAH HILL, \$12.00 per hundred.

POT GROWN PLANTS

800 BOUNTIFUL, 4 in. Pots. \$6.00 per hundred. \$50.00 per thousand.

S. S. PENNOCK-MEEHAN CO.

The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

September is starting in DETROIT nicely, fall weddings keeping us quite busy. Boston ferns still maintain their supremacy and are selling very well as are also kentias. Carnations are still too poor to be counted upon. Asters are in good quality and good demand. The new rose, My Maryland, with three to four-foot stems, has captured the buyers of choice stock.

The flower business has brightened up considerably with the advent of cooler weather and September weddings. Many small decorations are also being called for. A much better grade of stock is coming in with no advance in

price which gives customers a good value for their money. Roses of all kinds are plentiful enough. American Beauties are a trifle stronger; the demand still continues spasmodic. Carnations are arriving in better shape but in no great quantity. Field flowers are about over for this season with the exception of asters and dahlias. Gladioli have dropped off and from appearances the public seem to be tired of them. All kinds of lilies continue plentiful. Chrysanthemums are still in supply but no enormous quantity. Lily of the valley and orchids have been on the scarce side up to the present time. The aster crop has been a complete failure in this vicinity. The florists who grow asters extensively didn't cut enough blooms to pay for seed or labor.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 13	DETROIT Sept. 12	BUFFALO Sept. 13	PITTSBURG Sept. 13
ROSES				
Am. Beauty, Fan, and Sp.	20.00 to 25.00	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00	12.50 to 15.00
No. 1	8.00 to 12.00	10.00 to 20.00	10.00 to 15.00	6.00 to 10.00
Lower grades	4.00 to 6.00	3.00 to 10.00	2.00 to 8.00	3.00 to 4.00
Bride, Maid, Chateauf, F. & S.	..... to 6.00	4.00 to 6.00	5.00 to 6.00	..... to 6.00
Low. gr.	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Killarney, Fan, & Sp.	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	..... to 6.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00	..... to 6.00
Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
My Maryland, Kaiserin	3.00 to 5.00	8.00 to 12.00	4.00 to 6.00	3.00 to 8.00
CARNATIONS				
	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
MISCELLANEOUS				
Chrysanthemums	..... to	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Gladioli	2.00 to 4.00	3.00 to 6.00	1.00 to 4.00	1.00 to 4.00
Asters	1.00 to 2.00	1.00 to 2.50	.50 to 1.50	.25 to 3.00
Cattleyas	..... to	35.00 to 50.00	60.00 to 70.00	40.00 to 60.00
Lilies	10.00 to 12.00	15.00 to 20.00	12.00 to 15.00	10.00 to
Lily of the Valley	..... to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Mignonette	..... to .....	.50 to 1.00	1.00 to 1.50	2.00 to 3.00
Sweet Peas	.35 to .50	.25 to .50	.50 to 1.00	.50 to 1.00
Gardenias	..... to	20.00 to 30.00	20.00 to 30.00	20.00 to 30.00
Adiantum	..... to 1.00	1.00 to 1.50	.50 to 1.50	1.25 to 1.50
Smilax	10.00 to 12.00	15.00 to 20.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	30.00 to 50.00
" " & Spreng. (100 bchs.)	30.00 to 30.00	30.00 to 50.00	25.00 to 50.00	30.00 to 50.00

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FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
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 Choice Cut Flowers,
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 Manager 3642-43 Main

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New York

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WHOLESALE FLORISTS

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ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

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JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 11 1909		First Half of Week beginning Sept. 13 1909	
American Beauty, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Extra.....	6.00	to 10.00	6.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" Ordinary.....	.50	to 1.00	.50	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
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CENTRALLY LOCATED, THE HUB OF THE
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Wholesale Florist

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Telephone 7062 Madison

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122 West 25th St., New York

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We manufacture all our

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**CUT FLOWERS
 AT
 WHOLESALE**

**VIOLETS, CARNATIONS, ROSES
 ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments to Order, any Distance.

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Telephone 6337 Madison Square
 J. J. COAN, Manager

NEW YORK

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

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Brooklyn's Foremost and Best

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NEW YORK
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PERS OF CUT
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CONSIGNMENTS SOLICITED.

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

B. S. SLINN, JR. VIOLETS

Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut.
Cycas and Palmetto.

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Each spool of the

MEYER GREEN SILKALINE

contains full two ounces of thread.

WEIGH UP YOUR SPOOLS

and see that you get full weight. For
sale by all reliable houses.

John C. Meyer & Co. Boston and
Lowell, Mass.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 415)

The wholesale district is still in a state of extreme dullness. There have been a few spurts but of short duration and very mild in force, and the amount of material disposed of to proper advantage is very small. Asters continue to block the way for anything else. They are of fine quality in some instances but there are lots of them that are of low grade and on such it is not often that express charges are realized. Some dealers do not handle asters at all, and these appear to have the best of the situation. Roses from young stock are still very diminutive as to size, but they show evidences of care and attention and as a rule are clean and of good color. Tritomas are being received in large quantities and the dahlia receipts are increasing. Gladioli are in lighter supply. Confidence in the future and a willingness to forget the past if only the immediate future will make amends, seems to be a prevalent sentiment among all classes of the trade.

Towards the end of the week business picked up considerably; but on the average trading was slow, and no marked improvement on previous conditions. This week starts out rather briskly and the

WILLIAM F. KASTING CO.

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SOUTHERN WILD SMILAX

Now ready in limited quantity.

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EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and I guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN 106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 11 1909	First Half of Week beginning Sept. 13 1909
Cattleyas.....	42.00 to 75.00	40.00 to 75.00
Lilies.....	3.00 to 6.00	3.00 to 6.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Asters.....	.10 to 1.00	.10 to 1.00
Gladioli.....	.25 to 1.00	.25 to 1.00
Sweet Peas (per 100 bunches).....	1.00 to 4.00	1.00 to 4.00
Gardenias.....	20.00 to 25.00	20.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" & Sprea. (100 bchs).....	10.00 to 25.00	10.00 to 25.00

market at this writing has a distinctly better tone, with prospects fairly good. Dahlias are much better both as to quality and quantity, the recent rains having done them a lot of good. They are selling well, at medium prices mostly, although certain fancy sorts bring good figures. There are many lots of extra fine asters arriving, and an avalanche of those that are not so good, with a few wagon loads daily of the castaway brand, the latter being, of course, unsalable at any price. Chrysanthemums are in, the harbiners being October Frost and Golden Glow. The quality is nothing to brag about so far as we have seen, and there is no mad rush among the buyers to bag these early beauties apparently. American Beauty roses are still the only scarce thing on the list, but these will be over the hump in a few days and will be more plentiful and better before this appears in print. My Maryland is in demand and plentiful. Little change to be noted in other varieties. Carnations are hardly worth talking about; they are miserable looking lot just now—faint, famished and few. We are sorry for them. Lily of the valley continues scarce, and Easter lilies are again on the short side for the time being. Orchids are almost a negligible quantity; a few Cattleya Harrisoniae and Dendrobium formosum being about all. Gardenias are good and selling well. Many poor gladioli are coming in and there is no sale for such. Tri-

tomas are good but go slowly as yet. Their time will come when autumn foliage effects are in order. Plenty of tuberose this week and going all right at fair quotations.

B. S. Slinn, Jr., is having a large store fitted up on the street floor of 55-57 West 26th street, New York, for his wholesale cut flower business. The store has a very wide and light front and will be one of the best in the wholesale district when completed. A new ice box, 8 x 15 ft., has been installed. As heretofore, violets will be the main stock handled by Mr. Slinn.

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

KRICK'S FLORIST NOVELTIES



Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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H. A. Dreer, Philadelphia.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.
Asparagus Plumosus Nanus, strong plants from 2½ inch pots, \$2.50 per 100, \$22.00 per 1000. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.
Asparagus plumosus, strong 2 and 3-in., \$3.00 and \$5.00 per 100. Sprenger, extra heavy, 3 in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

Asparagus Sprengeri, extra strong plants. John F. Flood Co., Dedham, Mass.

AUCTION SALES

N. F. McCarthy & Co., 84 Hawley St., Boston.
Fall Plant Auction Sales.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Begonia Gloire De Lorraine.
For page see List of Advertisers.
Begonia Gloire de Lorraine, strong stuff, ready for 4-inch pots, \$15.00 per 100. New Begonia Pres. Taft, strong plants, ready for 4-inch pots, \$25.00 per 100; extra strong, ready for 6-inch pots, \$50.00 per 100. Iris Pallida Dalmatica \$12.00 per 100, \$100.00 per 1000. Now is the time for planting. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.
Begonia Gloire de Lorraine, fine stock from 2½ inch pots, \$10.00 per 100. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron. Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lillies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs, Horseshoe Brand.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind. Carnations for Immediate Delivery.
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The E. G. Hill Co., Richmond, Ind. Field Carnations.
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S. S. Pennock-Meehan Co., Philadelphia. Field Grown Carnation Plants.
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S. J. Reuter & Son, Westley, B. I. Field Grown Carnations.
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Hjalmar Hartmann & Co., Copenhagen, Denmark.
Carnation Comtesse Knuth.
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J. L. Dillon, Bloomsburg, Pa. Carnations Field Grown.
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Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass. Carnations Field Grown.
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W. J. & M. S. Vesey, Fort Wayne, Ind. Field Grown Carnations.

CARNATIONS — Continued

C. H. Jenkins, Cumberland Centre, Me. Carnations Field Grown.
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A bargain for some one. We have 155 white Lloyds, 50 white Queen, 50 Prosperity, and \$10.00 cash takes the lot. You cannot get better plants at any price. The Hillside Floral Gardens, Atlantic Highlands, N. J.

Carnation plants from field, extra strong and healthy. Enchantress, \$6.00 per 100, \$50.00 per 1000. Mrs. Thos. W. Lawson and White Lawson, \$5.00 per 100, \$40.00 per 1000. Cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS—2500 Queen, \$50.00 per 1000; 2500 Boston Market, \$50.00 per 1000; 3500 Enchantress, \$50.00 per 1000; 1500 Harlowarden, \$45.00 per 1000; 500 Red Sport, \$45.00 per 1000. Fox & Rosen, Parker Ford, Pa.

1500 fine field grown carnations for sale; Enchantress, White Perfection, Lady Bountiful, \$5.00 per 100; \$45.00 per 1000. Samuel Kinder & Bro., Bristol, R. I.

UNUSUALLY FINE STOCK.

White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stabellin, Redford, Mich.

Field-grown carnations, strong, healthy plants. B. Market, Queen, Fair Maid and Lawson, \$3.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

Carnations, field grown; 500 Enchantress, 500 Mrs. Nelson, 500 Queen, 500 Fenn, good plants, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich. Double Arch Carnation Supports.

CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y. Chrysanthemums Rooted Cuttings.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich. Smith's Chrysanthemum Manual.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS PANICULATA

Fine plants, two and three years, \$1.00 per doz.; \$5.00 per 100; 50 at 100 rates. F. A. Baller, Bloomington, Ill.

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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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WE PAY THE FREIGHT

On Cut Flower Boxes if your order reaches us during September. Write for sample of stock we use and prices. Climax Manufacturing Co., Castorland, N. Y. Dept. H.
Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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B. Vincent, Jr. & Sons Co., White Marsh, Md.
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Herbert, Atco, N. J.
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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Wizard Brand Sheep and Shredded Cattle Manure.

German Kali Works, 93 Nassau St., New York, N. Y.
Potash.
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Bowker Fertilizer Co., Boston, Mass.
All Forms of Plant Food at First Hands.

FLORAL PHOTOGRAPHS

Floral Photographs, Foley's, 228-228 1-2 Bowery, New York.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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GERANIUMS

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnstone Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

HYDRANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co.
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Pullman's Insect and Worm Destroyer:

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JERUSALEM CHERRIES

Jerusalem cherries, 4-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

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MANUALS

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Trees, Shrubs, Roses, Evergreens, Hardy
Plants.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

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GREENS, PEONIES, HARDY PLANTS.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
Native Orchids. Hugo Kind, Hammon-
ton, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
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Giant Pansy Plants.

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Giant Pansies.

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The best Giant Pansy seed. Send for
leaflet. Chas. Frost, Kenilworth, N. J.

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Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

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Peonies. All varieties true to name; will
also furnish full description if desired.
American Beauty, \$10.00 per hundred; CH-
tissa, \$6.00; Dorton's Coros, \$12.00; Fra-
grans, \$6.00; Festiva Alba, \$15.00; Ivory,
\$10.00; Prince of Wales, \$8.00; Queen Alex-
andra, \$8.00; Rosea Pl. Superba, \$10.00;
Queen Victoria, \$10.00; Japanese varieties,
Marquis Ito, \$16.00; Miles Standish, \$12.00;
Queen Esther, \$20.00. Order today. Wag-
ner Park Conservatories, Sidney, Ohio.

Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

Peonies, 1200 sorts, big stock. Send for
list. Largest collection anywhere. C.
Betscher, Canal Dover, O.

6 choice named kinds, distinct colors,
\$1.00 per doz.; \$6.00 per 100. F. A. Baller,
Bloomington, Ill.

Peonies only, by the wholesale—best 100
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LUS TRATING**

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PIPE AND FITTINGS. Cast Iron and
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Primula chinensis, 9 colors mixed, 3
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conica gigantea, mixed, 2 inch 2½c. J. L.
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Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Roses. Climbing, extra large two year old stock on own roots. Crimson Rambler, Philadelphia Rambler, Prairie Queen, \$10.00 per hundred. Dorothy Perkins, Pink Rambler, Queen Alexandra, \$7.00 per hundred. White Rambler, Yellow Rambler, Baltimore Belle, Seven Sisters, Debutante, \$6.00 per hundred. Mandas Triumph, Jersey Beauty, \$5.00 per hundred. Wagner Park Conservatories, Sidney, Ohio.

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SMILAX

Smilax, strong, 2 1/4-in., \$1.50 per 100; \$10.00 per 1000. Cash please. Wm. Livesey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Finest sphagnum moss, 5 barrel bale, \$1.25; ten or more, \$1.00 each. The New Jersey Moss Co., Wright-Sterling, 802 Chestnut St., Philadelphia, Pa.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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A GROWING WESTERN NURSERY FIRM.

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The north side nurseries of Leesley Bros. at Chicago, up to six years ago, were fields of onion sets owned by the senior Leesley who died about that time, and the present business has been built up by his sons. The two cuts show what well directed effort will do in a very few years in changing the looks of a place and in building up a business. Clyde, the elder, is in charge of the 110 acres comprising the nurseries on 40th and Peterson avenues. Robert, superintends the 200 acres on the west side where various products are grown, the most extensive being onion sets, which Mr. Leesley reports as being in short crop this year.

Leesley Bros. make a specialty of ornamental shrubs, with the exception of cherry trees of which they grow

about fifty thousand. Viburnums, spiraeas, honeysuckles and other leading popular lawn and garden favorites are grown in immense quantities and especial attention is given to ornamental fruit bearing shrubs and those with bright colored bark for planting for winter effect.

Regarding peonies, which they grow extensively, Mr. Leesley names as his favorites, Marie Lemoine and Mdse. De Verneville in white, Delachei in red and Edulis Superba in pink.

Worthy of especial note is Tamarix hispida aestivalis imported last year from France. The effect in groups is unusually fine. The foliage is light sage green and the flower is silvery pink. It is more hardy than other tamarix and last winter, its first here, stood a temperature of 18 degrees below zero.

BRITISH NEWS JOTTINGS.

Owing to the prevalence of black scab in this country, the Jersey Government have prohibited the importation of potatoes in that island from Britain.

A new dahlia named Coronata has attracted some notice in a Kentish nursery. The single bloom is of a salmon red, and in the evening the broad petals close up, forming a floral ball.

At the fortnightly meeting of the Royal Horticultural Society, on Aug. 31st, Prof. Sargent, and the President and Fellows of Harvard University, Mass., U. S. A., exhibited a collection of 150 photographs illustrating the flora, fauna, of Central and Western China, obtained by Mr. E. H. Wilson, the well-known plant collector, during his travels. A gold medal was awarded.

The National Rose Society has arranged to hold an autumn show on Sept. 16.

There was an interesting display at the annual show on Sept. 1st, 2nd and 3rd, of the National Dahlia Society, which is now amalgamated with the London Dahlia Union. There was not room for two organizations, and the unity should prove advantageous.

W. H. ADSETT.

STREATOR (ILL.) WINTER VEGETABLE GROWERS.

Leslie Mason, who is in charge of the Rudolph Kline greenhouses on the West Side, raising lettuce and mushrooms, is now enlarging his place, and will have about 25,000 square feet of glass in all.

Next to Whitcomb and Hills' houses with the proposed addition taken into account, Edward Kline probably has the largest area under glass. His houses are on the West Side and some of them are portable so that they may be moved from one part of his place to another. His specialty is asparagus.

Omar Fanning is one of the newcomers. His houses are located in the Coal Run creek bottoms and just west of Bloomington street. He raises cucumbers.

Fred Muson has his house on East Broadway. There he grows tomatoes.

Vincent Kangley is in the north-western section, just south of the Vulcan Works, cultivating lettuce and tomatoes.

Thomas Johns is probably the latest to join the ranks of the winter vegetable men. He gives his whole attention to cucumbers. His houses are out on East Main street.

BASE BALL AT CHICAGO.

Employees of Bassett & Washburn played Poehlmann Bros. ball team last Sunday and lost the game, 11 to 3. Excitement is at white heat now that each side has one game. The "rubber" will be played in two weeks. Many ladies accompanied the Hinsdale team and after the game Poehlmann Bros. royally entertained the players and visitors.

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PHILADELPHIA NOTES.

W. F. Gude, Washington, D. C., was a visitor on the 13th.

Jno. H. Dodds arrived home from his European trip on the 13th inst.

Morris Hoffman, assistant in A. M. Campbell's commission house, was married recently.

E. C. Dungan entered on his new duties with J. F. Noll & Co., Newark, N. J., on Sept. 15th.

Paul Huebner, who has been on the sick list since August 1st is convalescing at The Strand, Atlantic City.

Bruce Griffin of Griffin B. os., Frankford, reports their orchids doing well. They are shipping now a few *Cattleya labiata*. *C. Trianae* will be in soon in quantity.

Planting at Craig's new place at Norwood is well under way, and they expect to have same practically finished within the next two weeks. William P. Craig is now in charge and will move his family to Norwood in the near future.

John McIntyre says he has the finest asters ever seen in the Philadel-



phia market and has had them photographed to prove it. They are of the Semple strain and are said to have stems 42 inches long and flowers 4 to 5 inches in diameter. Grown under glass.

COLORADO FRUIT SHOW, JANUARY, 1910.

There has been no year in the history of the State of Colorado when the apple and peach crop has been what it has been this season. Every section of the state, almost without exception, is reporting that they never enjoyed such an output as they have this year.

Growers in every section are preparing for the big apple show that is to be held in Denver the first week in January, 1910. They are taking special care of certain varieties, thinning and irrigating carefully so that they may obtain the very best results.

There will be no less than twelve entries in the carload exhibits besides the thousands of boxes that will be offered for display in the one to ten-box classes.

The Colorado Exposition is unusual in one thing and that is that it is positively not for profit. Admissions will be charged and space rates collected for concessions, but should there be any sum left it is pledged to a fund to be used in advertising the fruit growing possibilities of the country.

Exhibits are wanted from anywhere in the world.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—A young or middle-aged man with experience in the seed business, by wholesale and retail seed house, located in New York City. One with experience in selling the country trade preferred, as he could be on the road six months of the year. State present employment, age, salary and references. The Batchelor Seed Store, 36 Lafayette St., Utica, N. Y.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

WANTED—Buyers and agents to sell our cement block and force post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—Good all around carnation, rose and chrysanthemum grower. Address, giving experience and other particulars, Me., care HORTICULTURE.

SITUATIONS WANTED

GARDENER—Working, Scotchman, 32 years of age, married, wants charge of Gentleman's private place. Life experience. Thoroughly well up in every branch of gardening. First-class personal and written references. Disengaged September. Address "Gardener," Halesite, N. Y.

SITUATION WANTED as manager of a gentleman's estate in Massachusetts, 6 years' experience in America. Best recommendations from present employer. Address "Gardener," care of HORTICULTURE, 11 Hamilton Place, Boston.

SITUATION WANTED as Florist by young man with 10 years' practical experience; thoroughly capable. 25 years old. Good references. Address Stephen Burton, care Dr. Giveus, Stamford, Conn.

Situation wanted by Gardener, private or commercial; employed now and for past 12 years with a leading New England nursery. At liberty November 1. Address, James Ganley, 5 Wirthrop Ave., Reading, Mass.

A young lady who is unable to continue her studies because of financial difficulties, wishes to obtain employment with a florist. Address L. M. D., 1 Raeburn Terrace, Newton Highlands, Mass.

Lady wishes situation in flower store. Thoroughly competent and experienced, with good record for business management. Address Maine, care HORTICULTURE.

FOR SALE

FOR SALE—Greenhouse; six thousand feet glass; well stocked. Dwelling and grounds. In growing western town. Owner has other business. Will sell cheap. Reasonable terms if desired. A bargain for you. Particulars of "Towa," care HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 60 Montrose Ave., Brooklyn, N. Y.

BOILER FOR SALE: 3 ft. diameter, 11 ft. long. Good Bargain for greenhouse boiler. For particulars address "Engineer," 11 Humphreys St., Dorchester, Boston, Mass.

FOR SALE—At Southampton, L. I., 1/2 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE CHEAP—My collection of choice Dahlias. For list and price address F. A. Treadup, Jr., 28 Lindsey St., New Bedford, Mass.

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

During Recess

N. Y. AND N. J. ASSOCIATION OF PLANT GROWERS.

The plant growers whose establishments fringe the metropolis, and whose products are so essential a factor in the Christmas and Easter observances and the home and social activities of the best horticultural patrons on the American continent, are believers in the truth of the old adage, "All work and no play makes Jack a dull boy." So they periodically break loose, as it were, and, forgetting for the time being all worries and responsibilities about benching and potting and green fly and cut worm, lily disease and cattleya fly, and all the other torments of the plant growers' life, they turn out with wives and children and sweethearts and have a glorious old time—and "never mind the expense."

The "Clam Bake" at Duer's White-stone Pavilion, Thursday, September 9, was one of these halcyon times and fully up to the reputation of any one of its predecessors.

The inner man was well provided for; that's one of the fundamental principles of the Association. Soon after arrival at noon a substantial breakfast was served. Julius Roehrs, Jr., the president, extended a hearty welcome to all and told them to pitch in. The caterer did the rest, while the band played the songs of all nations, and A. L. Miller with beaming countenance and voice that needed no megaphone announced the details of the program arranged by the committees. An hour and a half later "coffee and cakes" and at 5.30 the "clam bake." In the meantime, the games.

J. Miesem and A. Zeller were the committee on men's bowling; H. Schoelzel and F. Dressel, ladies' bowling; J. Roehrs, Jr., and W. H. Siebrecht, Jr., shooting; L. Dupuy and F. Marquardt, men's flower pot game; H. C. Steinhoff, ladies' flower-pot game; Miss Eliz. Mills, bureau of



GROUP OF FLORISTS, VISITORS AT THE VOLKSFEST

credit; H. Schoelzel, floor manager; Louis Schmutz, sergeant-at-arms. Thirty-eight gentlemen and thirty-five ladies lined up at the bowling alleys, and the scores ran all the way from 40 up to 161 in a ten-frame game for the men and from 0 up to 71 in a five-frame game for the ladies.

The prizes were presented after the clam bake in the evening by A. L. Miller, who officiated most gracefully, especially in rewarding the winning ladies. The lucky recipients were as follows:

Ladies' Bowling—First prize, Mrs. Aichmann, 71; second, Mrs. Brodsky, 65; third, Mrs. Bruhn, 60.

Gentlemen's Bowling—First, Patrick Smith, 161; second, H. B. Siebrecht, 160; third, C. K. Drury, 147.

Ladies' Flower-Pot Game. First, Mrs. A. L. Miller; second, Mrs. Steinhoff; third, Mrs. William H. Siebrecht, Jr.

Each lady present was presented with a handsome tea-pot and cup and saucer, the tea-pots having been donated by Mr. C. K. Drury of A. H. Hews & Co.

A LONG ISLAND FESTIVAL.

Over 10,000 people were in attendance on both Sundays and on Labor Day at Das Schwaepische Volksfest, the annual gala event of the German people of Brooklyn, N. Y., and vicinity at Middle Village. This was the 33d celebration, and although the location this year at the new Coliseum Park was not so favorable for the floral displays as that occupied in previous years, it was exceedingly creditable to all concerned.

According to custom, the central feature was a great column of fruits



NEW YORK AND NEW JERSEY PLANT GROWERS' ANNUAL OUTING

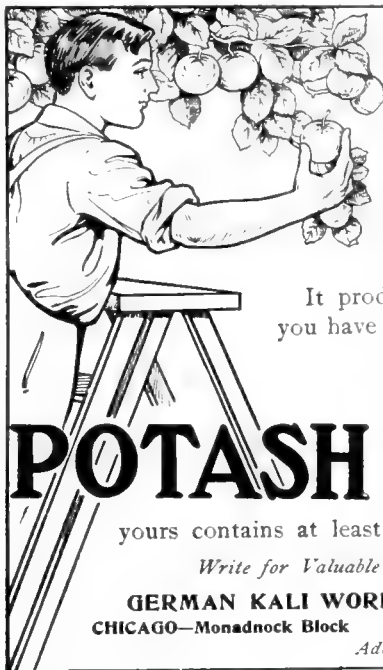
and vegetables, arranged in ingenious Mosaic pattern, fifty feet in height. This was erected by F. Marquardt and was awarded the \$400 prize.

The flower beds, which were round, about 10 ft. in diameter and raised a little above the level of the lawn, were placed at regular distances from the central monument, and all did credit to those who arranged them. The prizes, which were all the way from \$75 down to \$5, were won as follows:

John Baumann, Middle Village, 1st and 2nd on carpet beds, both very well executed pieces of mosaic work; 1st on foliage plants and on salmon geraniums and 2nd on scarlet and on white geraniums. John Dreier, Middle Village, 1st on conifers and on model landscape and home grounds in miniature, 3rd and 4th on carpet beds. Fred Marquardt, Middle Village, special on carpet design in form of a lyre, 1st on geraniums, on heliotrope, on ficus, on begonias, and 2nd on cannas. Hermann Maenner, Maspeth, 1st on coleus. Charles Koch, Flatbush, 1st on cannas and on salvia, 2nd on foliage plants and on begonias. A. F. Schrader, Elmhurst, 1st on sedum and on golden privet.

The choral singing, band music accompanying the various visiting societies, brilliant illuminations and general rejoicing last Sunday afternoon and evening, made an occasion long to be remembered. A goodly representation of the New York and New Jersey Association of Plant Growers was among the visitors, and they were received and escorted about the grounds, headed by the band, amid great enthusiasm. Our illustration shows a few of them.

A. F. Schrader of Elmhurst has served as superintendent ever since 1894. The next event will be an exhibition of pot plants and cut flowers on November 7.



Make Your Orchard Pay

or clear the ground at once and get a profit out of the ground in some other crop.

Investigation, however, will show you that old stock can be made to pay well and young stock pay better by using **Potash**.

It produces more fruit and better fruit—you have more to sell and at better prices.

Potash Pays

as can be shown in hundreds of cases. Commercial fertilizers often lack sufficient **Potash**. See that yours contains at least 10 to 12 per cent. of it.

Write for Valuable Literature prepared by Experts

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CHICAGO—Monadnock Block ATLANTA—Candler Building
Address office nearest you

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.

Full directions and testimonials in each package.

PRICE

1 lb.....20c	25 lbs.....\$1.50
5 lbs.....35c	50 lbs..... 2.75
10 lbs.....65c	100 lbs..... 5.00

NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphids, Green Fly and other greenhouse pests.

This solution is put up in

$\frac{1}{4}$ pt. cans...at 25c	1 pt. cans...at \$ 1.40
$\frac{1}{2}$ pt. cans...at 50c	1 qt. cans...at 2.75
$\frac{3}{4}$ pt. cans...at 90c	$\frac{1}{2}$ gal. cans at 5.00
5 gal. ca s.....	at 40.00

Salesmen Wanted Everywhere

—Made By—

The Philadelphia Insecticide Co.
324 Queen Lane, Germantown, Phila., Pa.

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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THIS KILLS MILDEW EVERY TIME

FOR PARTICULARS WRITE

Benjamin Dorrance
ROSE GROWERS
Dorrancton, Penna.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

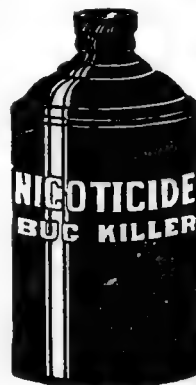
DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
261-265 Franklin St., Boston

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In ordering goods please add "I saw it in HORTICULTURE."



The Best Bug Killer and Bloom Saver

For PROOF Write to

P. R. Palathorne Co.
OWENSBORO, KY.

KILMDEAD
The best of all the tobacco dusts for

Dusting or Fumigating

25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. \$2.50

Stump & Walter Co. 50 Barclay St., New York.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

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CHICAGO, ILL.

GREENHOUSES BUILDING OR CONTEMPLATED.

Wyomissing, Pa.—Heck Bros., one house.

Providence, R. I.—E. Carl, range of houses.

Bennington, Vt.—L. C. Holton, additions.

Pittsfield, Ill.—Mrs. George Hansen, additions.

Peddington, Pa.—Chas. H. Smith, house 18 x 60.

Johnson City, Tenn.—Miss Sallie Faw, additions.

Dalton, Mass.—Fred G. Crane, range of conservatories.

Oskaloosa, Iowa.—Theodore A. Graves, two houses.

Lincoln, Nebr.—University of Nebraska, range of houses.

Maywood, Ill.—Albert Amling, four houses, each 26 x 200, for sweet peas.

Streator, Ill.—R. Kline, vegetable house 28 x 160; Mrs. M. F. Finker, addition, 22 x 144.

Kansas City, Mo.—A motor car floral parade will be given on October 7, which is open to every one in the Southwest.

Springfield, O.—American Rose & Plant Co., storage house 20 x 100; Springfield Floral Co., three houses, each 24 x 150; Highland Floral Co., house 30 x 110.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 9 1/2 " " "	5.25	120 7 " " "	4.20
1500 10 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
320 5 1/2 " " "	3.78	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., - Washington, D. C.

NEWS NOTES.

Northampton, Mass.—Work has been started on an Italian garden on the property of A. McCallum.

Rock Island, Ill.—Henry Meyer, who gave up his interest in the Long View greenhouse a year ago, has started in business in the Elks' building.

Athol, Mass.—J. B. Sutherland, who has been in the employ of his brother, Geo. W. Sutherland, for the past two years, has started a store at 322 Main street.

Wichita, Kan.—The Chas. P. Mueller Company intend to use their new houses and storage plant at 143 N. Main St., for emergency orders and will keep them supplied with desirable stock.

Spokane, Wash.—George E. Brown, orchardist and truck gardener at Spokane Bridge, has succeeded in growing what he proudly terms a "lemon cucumber." The lemon cucumber is almost spherical, but larger than a lemon, and, besides having a thick skin and unusually sweet meat, it is said to be entirely free from the qualities of producing ill effects upon the stomach. Mr. Brown allows the cucumber to reach only a certain size, saying that an additional day's growth would spoil the value of the product as to taste and nutrition. He will plant 10 acres to the product next spring.

Salisbury, Md.—George H. Benedict has located here lately, having bought a nicely situated place of eighty acres on the river front, about 2 1-2 miles from the city. A house and barn are now being built and a small range of glass is also under way, mainly for experimental purposes at present, as no extensive specialties will be handled until local conditions and shipping facilities are thoroughly studied. Mr. Benedict is well known in the florist trade, having owned and operated the Yorkville greenhouses at Utica, N. Y., a place of 60,000 sq. ft. of glass which he sold out because he wanted a change of climate. Salisbury is on the peninsula, a few miles inland from the Chesapeake Bay, and about 60 miles below Baltimore. Suggestions or advice from any reader of HORTICULTURE as to what to grow in this favored locality, so well situated for the Richmond, Washington, Baltimore and Philadelphia markets, will be much appreciated by Mr. Benedict.

BUSINESS CHANGES.

Foxcroft, Me.—Josef L. Brockway has purchased the business of B. T. Gentner conducted as the Park Street Greenhouse.

Fond Du Lac, Wis.—A. L. Bush & Co. have purchased the Boulay greenhouses and A. V. Broome of Stevens Point will be in charge of the growing.

PATENTS GRANTED.

- 933,112 Flower Supporter. Charles A. Rieman, Connerville, Ind.
933,134 Machine For Sowing Seeds. Apolonio Soto, Mexico, Mexico.
933,142 Flower Stand or Rack. Jacob Vogt, New Rochelle, N. Y.
933,178 Planting Machine. Wilbur F. Ilgenfritz, Monroe, Mich.
933,227 Weeder. Charles F. Billau, Cedar Rapids, Iowa.
933,292 Traction and Lawn Rolling Roller. Harry T. Coldwell, Newburgh, N. Y.
933,304 Hand Weeding and Transplanting Implement. Henry L. Hughes, Fayette, Mo.
933,483 Tree Protector. William H. Mohr, Reading, Pa.
933,584 Lead Pipe Coupling. John C. Rick, Carnegie, Pa.
933,654 Tree and Plant Guard and Protector. Walter Lippincott, Philadelphia, Pa.

Last spring the 20th Century Club, of Detroit, distributed a large number of seed packages among local schools and this week those competing will show the results of their labor in the various schoolrooms. The same club offered a number of prizes from \$5 to \$10, and Messrs. M. Bloy, J. F. Sullivan, Albert Pouchelon and Herm. Knope will act as judges. Hon. Phil. Breitmeyer will present a plant to each competing school.



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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**MADE OF FIRE BOX FLANGE PLATE
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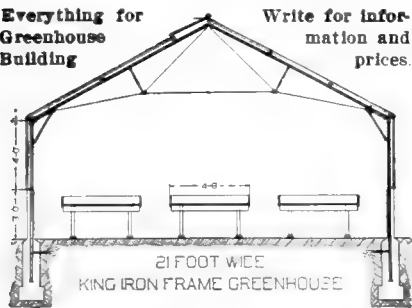
**Water Space in Front, Sides and Back
The Most Popular Boiler Made**

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Everything for
Greenhouse
Building

Write for information and
prices.



In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

**KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.**

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



THE ADVANCE MACHINE

is sold at \$10.50 all complete. Arms, hangers and shafting pipe at very low prices, thus making the initial cost low to the florist with the best possible service, has made it possible for us to have thousands of machines at work in 41 states today. Why not let us have a chance to give you an estimate and then a trial order to prove our claims at our risk?

The Advance Co.
RICHMOND, IND.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

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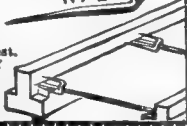
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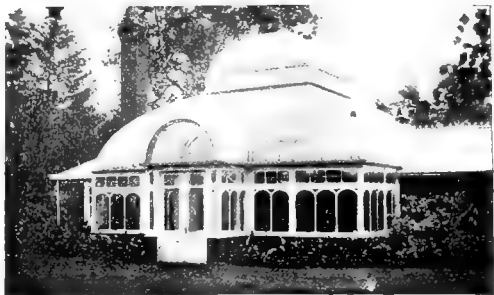


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HORTICULTURE

Vol. X SEPTEMBER 25, 1909 No. 13



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Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

New Davidias at Arnold Arboretum

One of the most beautiful and remarkable trees recently introduced is without doubt *Davidia involucrata* from Western China, a handsome tree reaching in its native habitat a height of sixty to seventy feet and resembling in foliage and habit a Linden tree. Some pronounce it the most beautiful and striking object in the vegetable kingdom, when during its flowering time it is studded with its large white floral bracts interspersed between the bright green foliage. These bracts are the chief ornamental feature of the tree and attain a length of seven inches. The foliage also is handsome; the bright green leaves are ovate in outline, from three to six inches long, sharply serrate and long pointed and borne on slender stalks. The flowers appear shortly after the young leaves about the middle or end of May at the end of short branchlets; they consist of a globular head of small individual flowers with long exserted stamens bearing red anthers, similar to the flower heads of our Buttonwood and are borne on a short stalk above the two or sometimes three unequally large white bracts oblong-ovate in outline, long pointed and usually more or less serrate at the margin; the largest of the bracts is from four to seven inches long and from two and a half to four and a half inch broad, the second bract is usually only half as long and the third if present still smaller. The larger bract which is the lower one is usually hanging straight down while the smaller and upper one is bending over. The whole flower is borne on a slender nodding stalk about two inches long. The fruit presents no ornamental qualities; it is an ovoid drupe, a little more than one inch in diameter with a somewhat ridged surface, greenish, slightly tinged purplish and somewhat bloomy. The tree itself is of broad pyramidal habit and of comparatively rapid growth averaging about two feet each year. Our plant at the Arboretum has only been injured by the frost while young, but during the last winter it has stood perfectly uninjured even to the tips of the branches. We may therefore hope that this splendid tree will be hardy even in the neighborhood of Boston, if planted in the right situation, where the wood can be expected to ripen thoroughly before winter sets in. Propagation is effected by cuttings.

Recently three species have been distinguished; the original *D. involucrata* has the leaves covered with a silky pubescence on the under surface, *D. Vilmoriniana* has the leaves glabrous and glaucous beneath and in *D. laeta* the leaves are yellowish green on the under side and have shorter teeth. Our large plant belongs to *D. Vilmoriniana* and is a cutting of the original plant raised from seed in 1897 by M. L. de Vilmorin; this plant which I saw in 1906 at Les Barres, France, a few weeks after it had flowered for the first time in cultivation, was then about fifteen feet high and a healthy and vigorous looking tree. Of *D. laeta* we have only small plants raised from seed collected recently by E. H. Wilson; they have not yet been tried out of doors. The true *D. involucrata* which is supposed to be the hardiest of the three species is said to be in cultivation at the Veitchian nurseries, but not yet represented at the Arboretum. There seems to be no difference in regard to the flowers between the three species, but their distinction will be of importance for horticultural purposes, if they really should be of different hardiness.

Among our native trees *Davidia* has its nearest relation in the Tupelo tree and belongs therefore to the family of Cornaceae where *Cornus florida* presents a similar case regarding the prominent development of bracts.

The Avenue

Without having any wish to substitute the essential irregularity of modern landscape for the style of Le Notre, which became the fashion over the whole of Europe in the eighteenth century, when, as Pope satirically wrote in a couplet, so often quoted:

"Grove nods at grove, each alley has a brother,
And half the platform just reflects the other."

When every villa and suburban house had its small symmetrical garden it is not to be wondered at that universal monotony of this kind of design should create a feeling of aversion in the beholder, and at length, that,

"Tired of the scenes parterres and fountains yield,
We find at last he better likes a field,"

and it was only natural that the formal style should have given place to one more in consonance with nature. Much of this ancient style in garden laying out remains to the present day as seen at Versailles, Schoubrunn and Kensington Gardens, Ashridge, and many other places in the British Isles. In old times the drive to the house was an avenue through the park surrounding the same. Sometimes the double or single line of trees was adopted; with the object of forming a better kind of shelter trees were planted "quincunx" fashion.

As the eagerness to adopt this mode of planting could not always wait for the slow growth of trees, where old woods were in existence, these were cut through in straight lines, and in the form of stars and *pates d'oie* (goose feet). Tired of the uniformity of straight lines, serpentine methods of planting the trees and forming *rondeaux* at widely separated points in the avenue were next in fashion; and sometimes trees were planted in groups with the roadway at some distance away on either hand. This last is not a bad method in climates with a heavy rainfall as it allows the sun to reach the road, and it is thereby kept fairly dry, and the shade from the nearest row of trees is very grateful to the pedestrian in hot weather, whilst the multiple rows of trees afford shelter from the wind. And a drive thus formed may serve as a screen of some objectionable feature in the landscape. On some large estates in England and Scotland, where timber is cultivated for use as such, and not for the preservation of game, the planting is so arranged for the production of straight timber—that is, by what is called close cover overhead—that the formation of avenues is a matter of necessity, and it usually consists of the same kind of trees as those of which the forest is formed. It may be oak, beech, hornbeam—a favorite wood used for fuel in parts where coal is dear, and peat not obtainable; ash, elm, chestnut (sweet), maple, limes and willow; or it may be that conifers are planted. All or any of these, if at the sides of an avenue, by reason of the absence of crowding at the sides become furnished with branches down at the ground level, forming more presentable objects, if less commercially valuable than the rest of the trees composing the forest. Sometimes a proprietor of woodland will plant the sides of an avenue with trees of a distinctly ornamental character; and for this purpose his choice is a wide one. He would do wisely to plant the fine foliaged *Quercus palustris*, *Q. rubra*, *Q. tinctoria*, etc. Other species of trees which might be planted at the sides of forest or woodland avenues and drives are *Acer Colchicum rubrum*, *A. dasycarpum*, *A. plantanoides*, and *A. rubrum*, trees in all cases of symmetrical growth and moderate height. The Pavia with handsome spikes of flowers, *Aesculus Hippocastaneum*, *Ailanthus glandulosa*, *Betula* of species, *Catalpa speciosa*, *Ulmus montana*, *U. m. vegeta* and several more.

Alfred Rehder.

Jacobus Moore

HORTICULTURE

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another's edification the products of garden and flower bed and distribute prizes for best kept premises, children's home gardens, potted plants and vases of flowers. HORTICULTURE believes in these affairs and only lack of space prevents our making extended record of their doings—not for the public, as we do not reach them, but for the purpose of indicating to our florist, nurseryman and seedsman readers a field which they might, with substantial benefit to their business, cultivate much more assiduously than they do. It is not the custom of the trade to give much serious attention to such occasions but a little reflection must quickly make manifest the splendid immediate advertising value they contain as well as their indirect but still greater advantage to the commercial horticulturist in awakening a popular appreciation and interest in the goods he produces and stimulating a rivalry in their possession. We know of no more promising avenue for the local florist or seedsman, to extend his acquaintance and expand his business and it is most surprising to note how little he seems to realize it.

Those of our readers who have been familiar with the flower business for a decade or longer can all recall the condition and quality of the roses that were available

for market at this season of the year and cannot well avoid making comparisons now, much to the discredit of the former. After an inspection of the stock being received at the wholesale flower markets the conviction is forced upon one that in a strictly cultural direction the rose grower has made a remarkable advancement unexcelled by any other special department of floriculture. The effect of the specialization of the growers' occupation in the large establishments has been to produce a limited class of very highly developed experts who have turned to good account their opportunities and have so familiarized themselves with the most minute details of their work that they have become masters of their art. Even in the tiny buds cut from the young plants there is a pleasing uniformity in color and other conditions and a healthy cleanness that one likes to see and if there are in evidence any lots that are weakened, scrubby and crippled in the manner once so prevalent it will usually be found, on investigation, that they are not the product of the establishments and the particular class of men we have in mind. These men are being sifted out constantly from among their fellows as fitted for positions of important responsibility. The finished product of their skill and industry fills us with admiration when we see it in the market and yet the name or identity of the workman is rarely in evidence and, unfortunately, his return for his accomplishment is in many cases much below what would in many other industries be considered a reasonable compensation. Among these men we find a large proportion who take pride in their work and a thoughtful interest in every detail not alone from a commercial point of view but from higher motives and a distinct purpose to turn out something that will bring credit to the place with which they are connected. Hardly a day passes at this season of the year that inquiry is not made at this office for such men—specialists skilled in their profession who can take charge of establishments of large extent and be entrusted with weighty responsibility but the salary mentioned as awaiting "the right man" is, in many instances, so inadequate that we are almost ashamed to repeat it.

The florists' interest in local flower shows

Now is the season when the village improvement associations, garden clubs and neighborhood horticultural societies get together and old and young display for one

Fuchsias

To those interested in growing Fuchsias (and considering their great value as a decorative plant, I think more should be than there has been, for a good many years) this is a good time of the year to root cuttings, if specimens of from three to four feet high are desired by the early part of next summer. As a bedding plant for a shady spot under trees they are in the opinion of some, ahead of the begonia. Quite recently at Harvard Botanic Garden, I saw a well arranged fuchsia bed of plants which Mr. Cameron told me had done duty for Class Day decoration at the University, previous to being planted under the trees, where they are, at the time of writing, Sept. 6, covered with flowers, the colors blending well together. Authorities such as Nicholson tell us that there are about fifty species in the genus, and I suppose the garden hybrids can be reckoned by the thousand. As with other plants that have been much hybridized the nomenclature has become sadly mixed, the same variety going under many names.

Cuttings taken now will root in about three weeks in a temperature around seventy degrees. The best at this time of year are procured from plants growing outdoors. Select a sucker if possible and cut under a good strong joint; as I find that the stronger the joint is, one is more liable to get plenty of suckers, which furnishes the bottom of the plant in a way that, if one trusted to the breaks from the main stem, could not be done so well, especially the first year. A fall cutting, as far as my experience goes does not form a good leader, being always liable to run to flower, and having a sort of stunted appearance, therefore we select the first sucker for a leader if a pyramid or conical shaped plant is desired. I have seen good, well furnished plants, five to six feet high, grown in nine months, but many varieties will not do this and, if exhibition plants are desired, two year olds are none too young as one can cover many defects in shape, the second year, that were almost impossible to overcome the first.

In keeping the plants in shape while growing we find a good method is to stop the leader, about every fourth joint. This encourages side breaks, which requires more judgment in stopping, so as to have the side of the plant evenly balanced. One has to allow the weak ones to grow out to get some vigor into them and pinch the strong ones quite hard, trying at the same time to cover the thin parts. I am aware that some varieties break naturally of themselves, but a great many do not, and one has to know them by experience for, as I said above, the names are quite often misleading. Small plants grow rapidly in a compost of equal parts of loam, leaf mold, well decayed cow manure, and sand, but as they increase in size, and vigor, a gradual increase in loam, and less of leafmold, and sand, should be used. When being potted into the pots one intends to flower them in, the loam used should be rough and fibrous, and when well established in these pots the formulas described by A. Pengel, for flowering plants, in your paper of Sept. 4, I can heartily endorse. Sixty during the night, with a rise of ten or fifteen degrees, during the day, is about the right temperature to grow fuchsias in. Old plants may be wintered, in anything above freezing, giving enough water to keep the wood from shriveling.

Advice as to varieties to grow, for the reasons assigned above, is hard to give. I do not say that the following

are perfectly correct, but they are known around here by the names as given. Abilene Faber, Alfred Daudet, Arabella improved, Charming, Countess of Aberdeen, Champion of the World, Duke of Edinburgh, Earl of Beaconsfield, Hector, Lucy Finnis, Lesette, Rose of Castile, Puritan. Trailing Queen is very useful for baskets, and a good centre for the basket is a variety known here as Black Prince, the two harmonizing well together, both in foliage and flower, and I would recommend these two varieties for that purpose to florists and others who have a use for baskets for hanging out doors during the summer.

I think an epoch of revival in interest in these beautiful plants would not be amiss. We have great tubs of hydrangeas and laurels for scattering around the lawns in summer. A few large tubs of Fuchsias, I think, would relieve the monotony somewhat, and give a little more range of color. Their winter treatment is about the same and I don't think they would entail any more work than either of the above referred to.

George F. Stewart.

West Medford, Mass.

Trained Gooseberry Plants

Some gardeners and amateurs owing to lack of space in their gardens are unable to cultivate as many gooseberries as they would like; but with a little practice in rearing shaped plants or by purchasing the plants already furnished with the leading shoots it is an easy matter to find situations for a number of columnar, fan trained, vase formed, etc., where space would be too limited for the ordinary bushes, which may produce a crown in a few years of 4—5 ft. in diameter. I observed some capital specimens under a variety of shapes at the last meeting of the Royal Horticultural Society, exactly suited for small gardens. Some of these were furnished with leading branches which were made to radiate from the top of stems about a foot high, and formed, as it were, the ribs of a fan trained tree. Others formed vases with 8 to 10 main shoots fixed to as many stakes, or to circular wires held in position by inserting a few thin stakes; cordons consisting of several leading branches, generally arranged in the erect manner in order to keep the fruit from being befouled by soil during heavy rain fall. These erect cordons and fans make gathering the fruit an easy matter, and its protection by means of close netting from wasps and birds similarly easy. The cupola or umbrella forms are likewise useful, but they are more difficult of protection, as well as costing more in the purchase of netting.

In this connection I allude specially to the fine flavored dessert varieties usually grown in private gardens in limited numbers. I may fittingly make mention of the names of varieties of this kind noticed in Messrs. J. Veitch & Sons' exhibit, viz., Langley Beauty, Gipsy Queen, Forester, Brown Girl, Bright Venus, Langley Gage, and Lady Hamilton.

Frederick Moore

NEWS OF THE CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

This society held its autumn exhibition September 18, 19 and 20, and although its many predecessors have been famed for their excellent exhibits this was generally admitted to be far ahead of anything previously held, both in quality and quantity, also in variety. Several new features were added this year which proved to be a great success as they provided an opportunity for displaying various skillful methods of growing and arranging plants and cut flowers, with the result that more of the Newport estates were represented than ever before, making it more satisfactory to the society and the public. The only regret was that a larger hall could not be secured so that the fine exhibits could have more room and be shown to more advantage.

The following is a digest of the awards: Class 1, group of palms, ferns, foliage and flowering plants—first, J. J. Astor; James Boyd, gardener. Class 2, which calls for a smaller group, was not filled; but Class 3, which calls for a table of plants, each one to be fit for a table and has always been a feature of the show, proved to be the hardest table the judges had to decide, there being five exhibits and each one seeming to be as good as the other, and it was finally agreed to give the first to the M. L. Fish estate, Charles D. Stark, gardener; second, J. J. Astor; third, Mrs. T. O. Richardson, James Robertson, gardener.

A new class for six specimen plants shown in jardinières was also keenly contested, and James Boyd won out on the merits of good finish. Mr. Boyd was also first in the classes for *Kentia* in 12-inch pot, six vases of cut flowers, six *dracaenas* and six indoor-grown peaches. In the class for specimen palm of any size or variety, Mrs. C. Vanderbilt, Andrew Pow, gardener, was first with a very fine *Kentia Belmoreana*. Mr. Pow also came out ahead in the class for six named specimen geraniums, some of them being over five feet in diameter and well furnished with flowers. Mrs. Delancey Kane, gardener John Barron, was second with six smaller but beautiful plants.

The specimen Fern class was won by E. J. Berwind, gardener Bruce Butter-ton, with a handsome plant of *Angiopteris evicta*, which is sometimes confused with *Marattia elegans*. For best six ferns, R. L. Beechman, gardener John B. Urquhart, was first, getting ahead of the old champion, James G. Kyle, who showed himself still hard to beat. Mr. Urquhart is also the winner of a handsome prize offered by Mrs. Goellet for table of green plants. Some excellent exhibits were in this class, but as Mr. Urquhart had his well-grown *Farleyense* ferns and palms faultlessly arranged he had to win. Another good prize offered by Mrs. Goellet for a table of *Begonias* was easily won by Mrs. W. G. Weld, gardener Paul Volquardsen.

Dahlias were numerous enough to make competition very keen, and the quality averaged better than in other years. Several exhibits were staged from New Bedford, Brockton, and other places, but mostly all met with defeat when placed against those from Miss Fanny Foster's estate. The W. W. Rawson Co. staged a choice collection of cactus varieties which were very much admired and awarded a Certificate of Merit. It may be worthy of note that the Newport red decorative *dahlia* Catherine Duer when in competition with several vases of 'excellent' cactus *dahlias* was justly awarded the first prize. This was grown by Colin Robertson, gardener for Mrs. Goellet. A vase of the "Boston Yellow" was also in competition with any type of yellow and came out ahead with very fine Mrs. Edward Mawleys against it. "Boston Yellow" is the variety awarded the W. W. Rawson silver cup at the recent *dahlia* show in Boston as being the vase which was the freshest at the end of the exhibition and is a seedling of 1908 raised by James Robertson of Newport.

The table decorations which came in on the third day of the exhibition were pronounced to be the best ever seen here, and that is saying a good deal. There were four classes of these which brought in eleven tables, all handsomely equipped; one class of four tables was in competition for a beautiful silver cup offered by Rickards Bros. of New York, and this was won by A. J. Dorward, gardener for Mrs. Emery, with a pretty floral arrangement of Killarney roses. Mr. Dorward was also the winner of the E. J. Berwind prize for decoration to show originality, and he was probably the most successful all-round competitor. The first prize offered by the society for table decoration of outdoor flowers other than roses and *dahlias*, was won by Charles Newton, gardener for Mr. I. T. Burden. Mr. Newton was a winner in many other classes and a cheerful loser in others. The main table decoration called for expensive glass, silver, gold and other material suitable for a table, and grand displays were put up on three tables. The bric-a-brac of one of these—the second—was said to be worth \$7,000. The first prize was awarded to C. E. Gunther, the second to James Boyd, the third to Herbert Coles. These prizes of \$25, \$15, and \$10 were provided by Mr. R. L. Beechman.

A group of rare and choice stove and greenhouse plants and orchids was staged by Julius Roehrs Co., and in charge of J. Muller.

The exhibition was free to the public Sunday, and a large number of people took advantage of this opportunity to see it. Among the many visitors from away were William Keith of New Bedford, Wm. J. Stewart and Robert Laurie of Boston, R. M. Bowen and J. Johnson of Providence, and Mr. and Mrs. A. J. Rickards of New York.

The judges were Richard Gardner, Andrew S. Meikle and Alex. Meikle.

Joseph A. Greenbacker, of Meriden, Conn., had on exhibition two very fine floral pieces at the Berlin (Conn.) Fair and was awarded first prize, a diploma.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Refreshed and invigorated by their summer's respite the members of this club showed their appreciation of its advantages by appearing, to the number of one hundred and fifty or more, at the opening meeting of the new season, Tuesday evening, 21st inst., at Horticultural Hall and listening to a very interesting talk by their fellow-member and club vice-president, J. W. Duncan, on the incidents of his recent trip across the continent via the Yellowstone Park to the Alaska-Yukon-Pacific Exposition.

Mr. Duncan referred briefly to his stop in Chicago, where the substantial construction of the boulevards was noted, and Minneapolis where the splendid growth and promise of the parks, with the flower plantations and rose garden were favorably commented upon. From Minneapolis the party going to the Park Superintendents' meeting at Seattle traveled together. They spent some days in the Yellowstone Park and Mr. Duncan's description of the geysers, hot springs and canyons, with the gorgeous display of wild flowers, and the stately forests of evergreens was listened to with close attention. Spokane, Seattle, Tacoma and Portland were successively visited. The parks and estates of Spokane were described and a message delivered to the club from an old member, William Donald, now engaged in landscape work at Spokane. Seattle's beautiful gardens, salubrious climate, the great show of roses in the parks and the fine planting of the Exposition grounds, the extensive park system, interesting trees and local hospitality of Tacoma, also Mt. Rainier, Portland, Golden Gate Park, San Francisco, Pasadena, Los Angeles, Salt Lake City and Arkansas Hot Springs, all came in for notice and an enthusiastic vote of thanks was accorded the speaker.

On the exhibition table were some interesting things. William Sim showed a handsome pink snap-dragon. Mrs. S. V. A. Crosby, a vase of Malope roseum Carter's strain, a very showy flower; seeds sown July 4, now blooming profusely, 2 1-2 feet high. A. Roper showed a new scarlet carnation, No. 1021, which he said was excelled by no variety on his place for vigor and freedom and the flowers certainly looked it. He received an award of merit for it. An award of merit was also conferred on W. G. Postings of Newport for a glorious crimson *dahlia* quite similar to Catherine Duer but more glowing. S. J. Goddard sent carnations Helen Goddard, White Perfection and Pink Delight, and Ed. Winkler several vases of *monbretias* and border perennials.

It was announced that at the October meeting, which will be held one week later than usual on account of the New England Fruit Show occurring on the regular night, J. K. M. L. Farquhar will present a stereopticon lecture on Bulbous Plants.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual September exhibition was held at Horticultural Hall, Boston, on Friday, Saturday and Sunday, 17th, 18th and 19th inst. The gem of the show and, indeed, one of the most artistic and beautiful examples of flower grouping ever seen here, was the display by R. & J. Farquhar & Co., the arrangement being the work of James Farquhar. This exhibit, which is partially depicted in the cover illustration of this issue, was the fifth in the series staged in competition for the gold medal which it worthily won. It occupied half of one side of the large hall and comprised hardy asters, lilies, montbretias, tritomas, larkspurs, phloxes, grasses, ferns and other garden material grouped in resplendent masses of color, with a central grotto and fountain (not appearing in the photograph) around which alpine garden plants were disposed. The color effect was superb. The same exhibitor put up a gorgeous arrangement of dahlias in vases showing the decorative possibilities of this flower in a manner seldom equalled. A portion of this group is seen in the accompanying illustration. It was awarded a silver medal. B. Hammond Tracy was on hand with an extensive collection of gladioli of the most modern and improved types; which received honorable mention. A grand display of hardy garden flowers was made by Bellevue Nurseries and by Old Town Nurseries, also by Walter Hunnewell, the latter being the fifth in the series from June to September and winning the silver medal.

The dahlia enthusiasts were out in force with thousands upon thousands of blooms, which were outspread in a riot of color, filling many long tables in both halls. Nothing more finished and handsome in the dahlia line has been seen here than the display of cactus varieties by J. K. Alexander. This was awarded a bronze medal. H. F. Burt was also the recipient of a bronze medal for his display. First class certificates were given to R. & J. Farquhar & Co., for peony-flowered Dahlia Bertha Van Suttoner and to W. D. Hathaway for general display of dahlias. Honorable mention was given to Messrs. Farquhar for peony-flowered Dahlia Geisha, W. A. Riggs for display of peony-flowered dahlias and H. L. Winter for dahlia display. Other exhibitors of distinction were William Whitman, Mrs. L. A. Towle, A. E. Johnson, J. H. Flint, George B. Gill, Mrs. E. M. Gill, Joseph Thorpe and Mrs. J. L. Gardner, the latter showing tropical plants.

The display of fruit and vegetables was of very high quality, hardly ever before equalled here. The varieties shown comprised a large part of the entire list given in a seedsman's catalogue. Honorable mention was given to F. H. Evans for seedling peach Herbert and to W. Heustis & Son for unnamed seedling peach. The collection of foreign grapes from Mrs. J. C. Whitin were excellent.

The attendance was very large for a summer exhibition, over 5000 being present on one day.

The Boston Mycological Club had a big display of mushrooms and fungi in the side hall.



PARTIAL VIEW OF FARQUHAR DAHLIA GROUP, MASS. HORTICULTURAL SOCIETY.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Dahlia and Herbaceous Perennial Show of this society was held on Tuesday, September 21st. David Herbert & Son sent a splendid collection of over 150 vases, which were easily the feature of the show. Richard Vincent, Jr., & Son also had a good collection of nearly 100 varieties, and Mr. Vincent was there in person with his niece. W. Atlee Burpee & Co. sent a fine exhibit of gladioli, celosia, tagetes, zinnias and tropaeolum. These were well staged, and were in that respect, as well as in their superior quality, something of a revelation to our local exhibitors. Lemon Ball, among the African marigolds in this collection, was one of the finest of its class ever seen. Tall nasturtium Midnight also attracted much attention. The collections of seedling gladioli were magnificent for this season of the year, and will be heard from later. Messrs. Dreer staged a fine lot of hardy perennials including phlox, delphinium, hardy asters, etc. A very attractive display. Two collections of vegetables were a conspicuous feature—the first prize going to Mrs. Penfield; the second to C. E. Newbold. W. Robertson took first for collection of outdoor flowers; Mrs. Penfield first on asters; J. G. Cassatt on double dahlias. W. A. Dick, Chestnut Hill, was also a prize winner in the latter class (C. B. Bustard, gardener). The other prizes were mostly of a routine nature.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The schedule of exhibits by private gardeners for the coming season comprises the following:

October—3 Orchid plants in flower.

November—12 blooms Chrysanthemums in twelve varieties; 1 specimen plant of Chrysanthemum, not over 8-inch pot.

December—3 plants suitable for Christmas decoration. 3 Cypripediums; plants in flower.

February—6 Primula plants; 2 Sinensis, 2 Stellata, 2 Obconica. 3 Cyclamens, 3 colors, not over 6-inch pots. 25 blooms Carnations; any variety or mixed.

March—2 plants of Gardenias in flower, 6-inch pots; 6 pots Forced Bulbs, six varieties, 6-inch pots.

April—3 single plants, Easter Lilies. 4 Cinerarias.

May—2 Foliage plants. 2 Ferns.

NEW ENGLAND DAHLIA SOCIETY.

"At the annual meeting of the New England Dahlia Society at Horticultural Hall, Friday afternoon, September 17, the following officers were elected: H. F. Burt, Taunton, president; G. L. Stillman, Westerly, R. I., vice-president; L. M. Bates, West Bridgewater, secretary; J. K. Alexander, East Bridgewater, treasurer, and L. B. R. Priggs, Cambridge; F. S. Davis, West Roxbury; F. W. Eaton, Middleboro; Mrs. L. M. Towle, Reading, and J. H. Flint, Salem, executive committee."—Boston Globe.

HORTICULTURAL SOCIETY OF NEW YORK.

The Horticultural Society of New York is now entering upon a new era in its history, dating from the successful exhibition held last November, and it is hoped that a greatly increased membership will result, and hence a greater usefulness of the society to the cause of horticulture. Other cities have flourishing societies of this kind (those of Boston, Philadelphia and Chicago being conspicuous in this respect), and it is certainly very desirable that horticulture in New York should attain as prominent a position as it holds elsewhere.

The Horticultural Society of New York is working toward this end, and it regards successful exhibitions of plants and flowers as of especial value in this work. Previous to last fall the society had not at its disposal in the lower part of the city a suitable place of easy access in which to hold its exhibitions. This want has now been filled, for an arrangement has been made whereby the society may hold its exhibitions and meetings at the American Museum of Natural History. This institution occupies the area lying between 77th street, on which is located

this city have affiliated themselves with the New York Academy of Sciences, and this affiliation has the use of a room at the American Museum of Natural History. The members of each society receive the weekly bulletins of the Academy, issued between the months of October and May, inclusive, announcing the meetings of all the societies. Members of any society are welcome to attend the meetings of all the others. In the early part of the present year this society was received as a member of this affiliation, and the Horticultural Society now enjoys equal privileges with the seven other societies. This entitles it to the use of the Academy room at the American Museum of Natural History. This room is equipped with a lantern, so that illustrated lectures may be given. Facilities are also placed at the disposal of the society for holding small flower shows at its monthly meetings, if so desired. This affiliation is a most important step in the history of the Horticultural Society.

The exhibition given last fall at the American Museum of Natural History attracted a large attendance. It was highly successful, and it is hoped to make the coming exhibition in Novem-

NEW BEDFORD HORTICULTURAL SOCIETY.

There was a splendid array of dahlias and other flowers in Dominique Hall Sept. 18-19, when the New Bedford Horticultural Society opened its seventh annual fall exhibit. The attendance was much larger than on previous occasions and fully justified the change of place from the location formerly occupied. The list of entries was the largest on record and the quality was also the best ever seen here.

Awards of prizes were made by the judges, James Garthley, Richard Parkinson, and George H. Walker, in all classes except the cup presented by Mrs. H. A. Jahn as a prize for the best exhibit. The intention of Mrs. Jahn was to award the cup to the best exhibit, allowing all exhibitors to compete, but on the announcement card this contest was open only to amateurs. As each of the judges had an exhibit at the show, they declined to make any award until the question is settled.

Conspicuous among the winners of important blue ribbons were W. D. Hathaway, W. F. Turner & Co., Mrs. H. A. Jahn and J. P. Bodge.

Special premiums were awarded as



AMERICAN MUSEUM OF NATURAL HISTORY, NEW YORK CITY

Where the Horticultural Society of New York will hold its exhibition on November 3 to 7, 1909

the main entrance, and 81st street, on the south and north, and 8th and 9th avenues on the east and west, a site readily accessible by subway, elevated and surface lines. It is the largest and finest building devoted to natural history in this country and one of the greatest in the world. It is supplied with large and small lecture rooms, where societies may meet and conduct their proceedings, and there are spacious well-lighted halls which lend themselves admirably to the purposes of an exhibition. Such an institution, it is needless to say, by its location and equipment, furnishes excellent facilities for the conduct of an exhibition, and the Horticultural Society is to be congratulated upon securing such facilities for its exhibition, and for the welcome extended to it by the officers of the institution. The location of the institution in the center of one of the finest residential sections of the city insures an attendance quite out of the ordinary. Invitations to the exhibition will be sent to all members of the affiliated societies and to the large membership of the Museum itself.

The "affiliated societies" have been referred to above, and a word of explanation is necessary. A number of the leading natural history societies of

ber larger and better. That this hope may be realized, all interested are urged to enter into the competition. A schedule, carrying with it over \$1,600 in prizes has been arranged, and the secretary will gladly send a copy of this to any one on application. To advance the cause of horticulture in this city it is necessary that all interested do their share for its development, and one of the best means to accomplish this is by making the exhibitions of the society large and eminently successful.

A friend of the society, much interested in the *Oncocyclus* or *Regelia* irises, which include the well-known *Iris Susiana*, or "mourning iris," has offered a special prize of \$25.00 for these flowers, to be awarded at the exhibition next spring or early summer. The prize is for the best collection of cut flowers from plants grown out-of-doors, not less than ten species of hybrids, or both. Announcement is made of this prize now, so that those who may desire to compete for it shall have opportunity to secure the plants, as it is necessary to plant them this fall. These flowers are little cultivated, and it is hoped that this prize may stimulate an interest in their cultivation.

follows: For three Dreer White—W. F. Turner & Co., first; W. D. Hathaway, second; Mrs. H. A. Jahn, third.

W. W. Rawson silver medal for cactus seedling—W. F. Turner & Co.

W. W. Rawson bronze medal for best specimen W. W. Rawson show dahlia—W. F. Turner & Co.

R. & J. Farquhar & Co., special for 12 blooms peony flowered, not less than three varieties—W. F. Turner & Co., first; Mrs. H. A. Jahn, second; W. D. Hathaway.

Silver cup from Richard Parkinson, for best 25 blooms, amateur class—M. McCarthy.

Silver cup from Richard Parkinson, for best 12 blooms, amateur class—James McVicar.

Society's silver medal, for best seedling—Mrs. H. A. Jahn.

NEW ORLEANS HORTICULTURAL SOCIETY.

The regular meeting of the above society was held on Thursday, September 16, at 8 p. m. It was a well attended meeting and it was followed by a supper served by the recently elected officers at Kolb's Cafe, in St. Charles street. Many things of interest to the Association and the general public

were discussed, and the prospects for the organization were never brighter.

Antoine Alost, president of the society, addressed the members at the supper, giving in detail the incidents of his trip to the S. A. F. convention in Cincinnati. He suggested the erection of a clubhouse by the society at West End, and this matter will be considered at the next meeting of the organization, many members seeming to favor the project.

Several members broached the question of inviting the S. A. F. convention to New Orleans in 1911. Henry Cook announced if the movement was seriously considered at any time, he would pledge himself to contribute \$100 to the fund which might be started. Many informal talks were made on the question, but no definite action was taken, as members wanted to give the matter serious thought.

C. R. Panter gave the members some ideas as to the costs of conventions. Charles Eble spoke in favor of bringing the gathering to New Orleans, expressing the belief that it would be a good thing for the city, as well as the entire South.

P. A. Chopin made a forceful talk, impressing the members with the importance of going after northern trade more vigorously than they had in the past. He said from his experience the local florists could compete with the European markets in selling to Chicago and other large cities in certain lines.

Other members who attended the convention made short, interesting talks which were listened to with attention.

The officers are: A. Alost, president; H. Doeschner, vice-president; C. R. Panter, secretary; John Eble, treasurer.

GREENHOUSE VEGETABLE GROWERS' AND MARKET GARDENERS' ASSOCIATION OF AMERICA.

The second annual convention of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America will be held at Ashtabula, Ohio, Tuesday, Wednesday and Thursday, October 12, 13, and 14, 1909. This Association was organized in Cleveland, Ohio, last year and numbers in its membership vegetable forcers in the states of Massachusetts, Maryland, Pennsylvania, Ohio, Kentucky, Michigan, Illinois, Indiana, Missouri and Kansas.

The meeting at Ashtabula promises to be largely attended. An interesting program is being prepared, which will include addresses and papers by prominent authorities on vegetable forcing and discussions by practical growers from all sections of the country. In addition, there will be an exhibit of greenhouse supplies and materials and of greenhouse products. One feature that will draw many to the convention will be the opportunity afforded visitors to see the famous greenhouse establishments at Ashtabula, where many acres of glass are devoted to vegetable culture.

All who are interested in greenhouse vegetable growing or market gardening will be welcomed at the meeting. Those who wish programs and additional information should write to the secretary, S. W. Severance, 508 Walker Building, Louisville, Ky.

A Test of "Aphine"

The "AMERICAN FLORIST" says (September 18, 1909):

"So many 'killers' have from time to time been heard from that you are led to having developed a strong disposition to know just what they will do. A representative of the American Florist had an opportunity of witnessing a number of interesting tests with 'Aphine' at Chas. A. Totty's greenhouses, Madison, N. J. The tests were made by Geo. E. Talmadge in the presence of Mr. Totty, Wm. E. Tricker, his foreman, and the writer. Orchids affected with scale, grape vines in which mealy bug had obtained a hold, and black and green aphids on chrysanthemums and roses were all treated. The solution was applied with a small sprayer. We can say for this preparation that, 'it does the work,' and it is so far from doing any damage to the plants that the foliage soon takes on a better color after it has been applied. The results of these tests show that there is an insecticide on the market that is effective and that is easily and quickly applied, at a comparatively small cost."

The day after these tests were made, Mr. Totty, whose reputation for fair dealing is unquestioned, said: "I have nothing but praise for the new insecticide, 'Aphine,' that we tested yesterday. The scale on the calanthes and cattleyas was all dead when examined through a glass this morning, and the plants are not injured in the least. The mealy bug was likewise wiped out where the mixture touched it. If Mr. Talmadge will maintain a uniform quality in his product, he will have an enormous sale, for it is unquestionably right every way."

A Spray—Average 1 Part Aphine to 40 Parts Water

— Two Dollars Fifty Cents the Gallon —

GEORGE E. TALMADGE, Inc., Manufacturers
MADISON, N. J.

NATIONAL DAHLIA SOCIETY OF ENGLAND.

The first show of the season was held by the above named society at the Crystal Palace, Sydenham on September 2 and 3. The weather of late has been unfavorable for dahlia growing, but the display generally was a fairly good one, all things considered. A second show will be held by the same society at the Royal Botanical Gardens in about three weeks' time. Hobbies, Limited, had a gold medal for a handsomely arranged display of roses and dahlias. Among the latter were many good examples of cactus and peony-flowered varieties, mostly of Dutch origin. Hardy flowers also formed a feature of this very large exhibit.

Cannell & Sons also received a gold medal. They had a fine lot of cactus varieties set up in their usual attractive style. Very effective were some of the modern giant singles and peony-flowered sorts, Red and White Douzon, Phenomene, White Cloud, Gloire de Baarn, King Leopold, Marie Corelli, Hall Caine, Jeune Charmet, Crimson King being especially good. Cactus varieties were shown in large numbers. A gold medal was also awarded to J. T. West, who had an excellent display. This was chiefly composed of cactus and pompons.

John E. Knight staged a mixed collection of dahlias and early chrysanthemums. He was awarded a silver medal for a very prettily arranged exhibit.

The competitive classes were numerous and provided for exhibits from growers of every capacity—6, 12, 18, 24 and 48 cut blooms in various sections were scheduled and in some of the classes all the prizes offered were awarded. The methods of staging were as varied as the exhibits; some were shown in bunches, others in the old green show board, others in vases, so that much of the old formality has

been abolished. There were several good table decorations and a number of baskets filled with dahlia blooms and artistic foliage for effect.

The old show and fancy dahlias, the admiration of the old school of growers, called forth an interesting display from some well-known growers.

Cactus dahlias were also finely staged by many noted specialists. Singles and pompons also had a good many representatives and many of the flowers were dainty and well chosen, but any enumeration of the many varieties staged is practically out of the question.

C. HARMAN PAYNE.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Rose.

The application of Mr. Alex. Montgomery, of the Waban Rose Conservatories, Natick, Mass., for the registration of rose described below, having according to the rules of this Society been submitted to the American Rose Society on August 23, 1909, and no reply having been received from them within the required time, the registration becomes complete and is hereby made public, as follows:

Name—Climbing Killarney.

Description—A sport from Killarney with strong climbing habit making growths 12 to 15 feet in length, clothed with strong, heavy foliage; flowers identical with the parent plant and come all along the cane as wood matures.

W. N. RUDD, Secretary.

September 18, 1909.

THE AMERICAN CARNATION SOCIETY.

A. C. Brown, Springfield, Ill., registers the following new carnations:

Sangamo. (Mrs. E. A. Nelson X Enchantress). Brilliant pink, size 3 to 3 1-2 inches. Strong, healthy, upright

and rapid growth. Breaks easily from base of plant. Flowers produced very freely on extra long stems; calyx never bursts.

Superba—Uncertain of parentage. Pure soft pink. Size 3 1-2 to 4 inches. Strong, healthy, rapid growth. More slender than Sangamo; strengthens quickly after benching. Flowers are fringed and slightly whorled. Very free; extra long stems; calyx rarely bursts. A. F. J. BAUR, Sec'y.

CLUB AND SOCIETY NOTES.

The committee of arrangements consists of C. Wilson, Manager; H. Kastberg, Secretary; J. Dunbar, Treasurer.

The Dobbs Ferry Horticultural Association will hold its ninth annual flower show at Village Hall, Dobbs Ferry, N. Y., on Friday and Saturday, November 5-6. There are 48 classes for flowers, plants, fruit and vegetables in the schedule. It is stated that on account of limited space, no exhibits will be received for competition excepting from residents of the villages of Dobbs Ferry, Hastings, Irvington and Ardsley, unless from members of the Association.

The Intertown Dahlia Association held their third annual show at Ansonia, Conn., on September 18, which was opened by Mayor Stephen Charters in a congratulatory speech. The advance sale of tickets was very large and the rooms were thronged both afternoon and evening. Peter Zuger of Hartford, was judge. There were three prizes in each class from 1 to 23—first, a blue ribbon; second, a red ribbon; third, a yellow ribbon. In the special classes a white ribbon was used. The officers of the association are as follows: President, John Lewis of Derby; vice-president, D. H. Palmer, Ansonia; secretary, J. B. Baylis, Seymour; treasurer, A. W. Davidson; chairman of show committee, P. E. Carmody, Ansonia.

Having just returned from Europe I am now in a position to offer

20,000 AZALEAS

in leading varieties at lowest wholesale prices, also
Araucarias, Asparagus, Crotons, Arecas, Cocos, Kentias, Lantanas, Phoenix, Rubbers, Pandanus,

150,000 Small Ferns for Dishes in best sorts

Wholesale Price List on Application.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Arecas Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohlii, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

**1012 West Ontario Street
PHILADELPHIA, PA.**

ORCHIDS

In enormous quantities for exhibition purposes and cut bloom grower. Choice varieties selected from large importations. Choice named, well known and certain hybrids.

Stuart Low & Company beg to call the attention of lovers of Orchids in the United States to their large, varied and well grown stock which is being frequently augmented by large importations. Also their large and well grown stock of **ROSES—FRUIT TREES IN POTS—Fruit Trees for outside planting—Stove and Greenhouse plants.** Catalogues on application. Estimates free.

STUART LOW & CO.,

**BUSH HILL PARK,
Enfield, England**

Palms

Shrubs

Wittbold
FLORIST

Ferns

Perennials

Send for Our Catalogue.

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

A. N. PIERSON, Inc., Cromwell, Conn.

WHITE KILLARNEY (Waban Strain)

	Doz.	100	250	500	1000	2500	5000
GRAFTED STOCK.....	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1,250.00

ORCHIDS

All Orchids. Nothing but Orchids.
Best Orchids. Good Orchids.

We Collect Them. Write Today.

CARRILLO & BALDWIN, Secaucus, N. J.

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.

RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England

**and 235 Broadway, Room 1
NEW YORK CITY**

ORCHIDS!

Just to hand a fine lot of C. Lablata, C. Gigas Sanderianae, D. Biglbbum.

ORDONEZ BROS.

**41 West 28th St., New York City.
and Madison, N. J.**

ORCHIDS

Arrived in fine condition

Cattleya Gigas (Hardyana Type), C. Gigas Sanderiana, C. Gaskelliana, C. Speciosissima, C. Chrysotoxa, Oncidium Furecatum, Odontoglossum Luteo-purpureum, Miltonia Vexillaria, Miltonia Roezlii and many more. Write for prices.

LAGER & HURRELL, SUMMIT, N. J.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

GERMAN AND JAPAN IRIS, DELPHINIUM FORMOSUM

Write for prices

E. S. MILLER Wading River L. I., N. Y.

**PALMS, FERNS AND
DECORATIVE PLANTS**

JOHN SCOTT

**Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.**

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3 per 100, \$25 per 1000.

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincey St., - - CHICAGO, ILL.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

2½-in., \$40.00 per 1000; 3½-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

Chinese Primulas

Vilmorin's Finest.

From 2½ inch pots, very strong.

\$2.50 per 100

ED. HERRMANN,

North and Wilton Aves. BALTIMORE, MD.

In writing advertisers kindly mention **HORTICULTURE.**

BY WIRELESS FROM CONNECTICUT.

E. J. Taylor.

Famous up to within a few years ago as an onion-growing centre, the district around Southport and Greens Farms, Conn., is now a summer residence section of high degree, and beautiful estates with well-kept lawns and charming vistas over the waters of Long Island Sound fringe the elm-shaded drives. Southport is a part of Fairfield and Greens Farms is the money end of Westport. Turkey Hill is the most sightly section of Greens Farms and here three generations of Taylors have held sway and a fourth is well on the way to follow in their footsteps.

E. J. Taylor is pretty generally known to the wholesale trade of New York City, where the product of his thirty-two houses finds a market through John I. Raynor. The place is well worth a visit by any grower looking to improve his output through inspecting and making comparisons with the methods of other successful growers. There is a house of two-year-old Richmond roses, tied down and well started along, which is a model in its regularity and finish. Carnations are a leading crop. Enchantress is selected for the largest crop. Victory is the scarlet which has made the best record. White Perfection leads in white. There is something very appetizing for carnations in the soil and pure air of Turkey Hill, no doubt, but there's every evidence of close attention to minute details and that counts for much in the making of such plants as are to be seen there. Chrysanthemums fill the houses which, later on, will be devoted to lilies, also the Manetti grafting house. A side issue with Mr. Taylor is a patch of hardy perennials, four acres in extent. There is a big and rapidly growing call for this class of material for the adornment of the gardens and borders which stretch for many miles along the shores of Long Island Sound.

R. G. Hanford.

"Croweanum doesn't like to be disturbed. It is very slow to move after dividing and re-potting, and stimulant should not be given until it gets to growing. Then it needs it in liberal quantity." That's the word of R. G. Hanford, of Norwalk, Conn., one of the cleverest plantsmen engaged in the florist business. Like all successful gardeners, Mr. Hanford is as ready to learn as he is to impart advice and now he'd like to get a few practical pointers on propagating *Ficus pandurata* of which he has a quantity of single-eye cuttings which have been well-rooted for a year but refuse to make a sprout. One of the handsomest carnations houses imaginable is to be seen here. It is of Lord & Burnham construction, cement benches, with tile bottoms, planted with carnations July 31, which have not been permitted to form a bud, so far. The adaptability of the house and efficacy of the treatment are well in evidence. Here is also a house of crotons that even Robert Craig would doff his hat to—up-to-date varieties and grown to perfection. A series of frames filled with jardiniere ferns supplements the range of greenhouses and a fine garden invites attention from the passer-by.

LILACS

THE CHOICEST VARIETIES

Including the famous HIGHLAND PARK COLLECTION

Catalogue containing descriptions of 85 different kinds will be sent on request. This Catalogue also contains accurate and trustworthy description of the best

Trees, Shrubs and Hardy Plants

ELLWANGER & BARRY, Mount Hope Nurseries, Box T, Rochester, N. Y.

100,000 PEONIES

FOR FALL DELIVERY

All of the Leading Varieties from the Cottage Gardens' Famous Collection.

Our enormous stock enables us to send out tubers of the very highest quality, and in filling orders we use undivided roots only—assuring an abundance of flowers the first season. This year we offer one, two and three year plants.

WHOLESALE LIST NOW READY. SEND FOR A COPY.

Cottage Gardens Company, Inc.

QUEENS, LONG ISLAND, NEW YORK

This is one of the best kept retail establishments in Connecticut and we think its owner is making money.

Fillow Cut Flower Company.

This firm, successors to Fillow & Banks, at Westport, Conn., are re-erecting a rose house 29 x 160, which has been moved from another location. My Maryland appears to be very happy in the soil of Westport and Killarney is also looking luscious. Stanley Fillow, who is the active ingredient in the company, is very enthusiastic about his scarlet carnation Juanita, which after six years of testing, he will send out this season. They will plant 10,000 of this variety for their own use. Carnations are grown here principally on shallow benches. One house, 35 x 200, looks particularly well. A somewhat unusual crop planted in this place to succeed chrysanthemums is pansies. They are grown and marketed in straight colors and Mr. Fillow asserts that they are a good paying crop.

ROSES AT AUBURN, R. I.

The Budlong establishment at Auburn, R. I., has been enlarged this season by the addition of about 40,000 sq. ft. of glass devoted to roses My Maryland and Richmond. My Maryland has been looking extra good up to the present time. Stock planted the 10th of May has yielded up to the present time 80,000 flowers from 5,000 plants, and these have run extra good quality. Mr. Pritchard says that if this house will keep going at the rate it has been it will not owe anything after the 1st of January. Kaiserins have also done extra well and are still looking fine. A house that they planted out of pots last year gave so good results that they are trying the same this year. They have dropped some Brides and Bridesmaids and have increased Killarney half as much more, including White Killarney. Three new ice boxes have been built

which are capable of taking care of 150,000 cut roses, and a reserve main steam pipe has been put through the houses to use in case of emergency.

John Pritchard is still at the helm in charge of the rose-growing department of this big place and it appears in even finer condition than at a corresponding date last year. The daily shipments are from 15,000 to 25,000 roses. This represents only about half the capacity of the place as Mr. Pritchard's system is to start the season with the houses cut back at varying dates so as to bring them into crop in rotation.

PINUS STROBUS

White Pine

		Per 100.
3	to 4 ft. XX with ball.....	\$50.00
4	to 4½ ft. XX with ball.....	70.00
4½	to 5 ft. XX with ball.....	90.00
5	to 5½ ft. XX with ball.....	125.00
5½	to 6 ft. XX with ball.....	150.00
6	to 7 ft. XX with ball.....	200.00
7	to 8 ft. XX with ball.....	225.00
8	to 9 ft. XX with ball.....	300.00

We have a very large and fine block of *Pinus Strobus* in the larger sizes, and are confident that our stock is finer than any in New England. We shall be glad to give special prices on large lots, by mail.

Eastern Nurseries,
Jamaica Plain, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

Seed Trade

A Philadelphia Outing.

A pleasant outing for the employees of Messrs. Burpee and Maule took place on the 18th inst. at Briar Crest, the country home of Wm. Henry Maule. The visitors were hospitably entertained and had an interesting time noting the tests of many beautiful plants, flowers and vegetables in the gardens, grounds and greenhouses. As a fitting wind-up to the festivities, and an outlet for young and lightsome feelings a game of ball was indulged in. We have been asked to suppress the score, but a stern sense of public duty compels us to announce that same was 13 to 0 in favor of the Maule team.

Notes.

European advices just received by a local seed house would indicate that the annual offerings of fancy grasses will be three weeks later than usual this year on account of the backward season.

At a meeting of the board of directors of J. F. Noll & Co., Inc., Newark, N. J., on September 15th, Edward C. Juangan, for over thirty years with Wm. Hy. Maule, Philadelphia, Pa., was elected president and general manager of the company.

Mr. Alfred Emerich, representing Messrs. Vilmorin, Andrieux & Co., Paris, France, will arrive in New York about September 25th, and will make his usual visits to the American seed trade. Any communications for him should be addressed care H. Frank Darrow, P. O. Box 1250, New York.

CATALOGUES RECEIVED.

Vincent Lebreton, Trelaze, France.—Wholesale Trade List of Nursery Stock.

Weeber & Don, New York.—1909 Catalogues of Bulbs, Roots and Seeds. Attractive in contents and illustrations. Cover ornaments in blue.

Stumpp & Walter Co., New York.—Fall List, 1909. Narcissus Sir Watkin, Golden Spur and Victoria are beautifully shown on the cover pages.

Schlegel & Fottler Co., Boston, Mass.—Bulbs and Plants, 1909. As usual, a well-arranged and useful list with attractive garden scene on cover.

Peter Henderson & Co., Autumn Catalogue, 1909.—Finely illustrated throughout and on the covers are shown tulips in colors, superbly done.

Bay State Nurseries, North Abington, Mass.—Price List of Hardy New England-Grown Plants. An excellent catalogue of trees, shrubs, roses and herbaceous perennials.

New England Nurseries, Bedford, Mass.—Fall Planting Book, 1909. Fully illustrated. Some of the finest gardens in New England have been designed and planted by this company.

The Connon Floral Co., Ltd., Hamilton, Ont.—Wholesale Price List, Fall 1909. Bedding and house plants, roses, vines, shrubs and perennials are listed in quantity and good variety.

H. E. Fiske Co., Boston, Mass.—Autumn Catalogue of Bulbs and Plants. Creditable in illustrations and text contents. Darwin tulips and Emperor daffodils adorn the cover.

Wm. Elliott & Sons, New York.—

Flowering Bulbs, 64th Edition. Cover in bright colors depicting a garden scene. Also folder of pot grown strawberry and vegetable plants.

Eastern Nurseries, Jamaica Plain, Mass.—Wholesale Trade List, 1909-1910. This is a business publication pure and simple, without adornment but neat, educational and reliable.

W. B. Whittier & Co., South Framingham, Mass.—Wholesale Trade List of Framingham Nurseries for Autumn, 1909. Bears the official certificate of the Inspector of the State Board of Agriculture.

W. W. Rawson & Co., Boston.—Bulb Hand Book for 1909. Colored portraits of frezias and narcissi form the cover illustrations. The book throughout is a good addition to the list of attractive fall catalogues.

Wagner Park Conservatories, Sidney, Ohio.—A. Catalogue of Some Beautiful Flowers—Fall Edition. This pamphlet is just what it purports to be. A quaint conventionalized cover in black and red ink commands attention.

A. T. Boddington, New York.—Florists' Bulbs and Seeds for Forcing and Planting. This is a wholesale list bearing the assurance that "the seal of quality," which ornaments the title page, can be relied upon. It looks very inviting.

F. & F. Nurseries Department of the American Nursery Co., Springfield, N. J.—Fall Trade List, 1909. A compact, well arranged list of hardy ornamentals and fruit trees. A telegraph code for use in ordering at short notice is supplied.

R. & J. Farquhar & Co., Boston.—Autumn Catalogue, 1909. This is a book of 75 pages superbly illustrated with half-tones of great beauty. The covers are in sepia tint and a cluster of handsome Darwin tulips forms an appropriate frontispiece.

Winterson's Seed Store, Chicago.—Autumn Catalogue of Bulbs, Plants, Shrubs, etc. "Make your garden glad" is the "Trade Mark" maxim on the cover page. We hope the people of Chicago will take this good advice and that Winterson will be called in to assist.

Thomas Meehan & Sons, Inc., Germantown, Pa.—49th Edition, Autumn, 1909. Garden views in sunset tints adorn the covers of this handsome publication. Accompanying it is the first number of the "Garden Bulletin" magazine which the publishers announce is to be issued monthly from their office. It bears on the title page a fine portrait of the late Thomas Meehan and among the illustrations is a colored plate of Meehan's Mallow Marvels.

R. Vincent Jr., & Sons Co. have opened their extensive greenhouses and grounds at White Marsh, for the annual dahlia show and harvest home festival of the M. E. Church of Chase, Md., on Sept. 28, 29, 30 and Oct. 1. This is the third event of the kind and it is much more than a local event, as guests from long distances take advantage of the Messrs. Vincent's hospitality to feast their eyes upon the bewildering array of geraniums, dahlias, etc., so generously spread before them.

MICHELL'S Colossal Mignonette

Seeds saved from selected spikes, grown in greenhouse; immense spikes, and extra fine strain. Trade pkt. 40c.; \$3.00 per oz.

LIPINUS		
	Trade Pkt.	Oz.
BLUE.....	.10	.20
PINK.....	.10	.20
RED.....	.10	.20
SCARLET, WHITE TIPPED..	.10	.20
WHITE.....	.10	.20
YELLOW.....	.10	.30

Write for Our Latest Wholesale Catalogue

H. F. MICHELL CO.

1018 Market Street,
PHILADELPHIA, PA.

PUBLICATIONS RECEIVED.

McHutchison & Co., wholesale horticultural importers, New York City, are sending out a card, as a wall hanger, giving in full the new official tariff rates on horticultural products which went into effect on August 5, 1909. This includes fruit stocks, bulbs, seeds and general horticultural list. This will prove a very handy and convenient reference guide for anyone interested in the importation of dutiable stock.

Pamphlet No. 3 prepared by the Special Park Commission of the City of Chicago, is now ready for distribution. It points out the causes destructive of tree life, preventive remedies and directions for removal of dead trees and trimming of unsightly ones. Pamphlet No. 4 will treat on "Trees to Plant and How to Plant Them." Copies may be had, free, by addressing J. H. Frost, City Forester, Chicago.

New Spawn

100 lbs. \$7.00

Including our Treatise How to
Spawn A Bed Successfully.

W. ELLIOTT & SONS,
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Simple methods of correct accounting
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CABBAGE. Succession, Flat Dutch and Savoy,
\$1.00 per 1000. \$8.50 per 10,000.

CELERY. White Plume and Golden Self Blanching.
\$1.00 per 1000. \$8.50 per 10,000.

PARSLEY. 25 cts. per 100. \$1.25 per 1000.

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White Marsh, Md.

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NEW CROP

FARQUHAR'S GIANT STRAIN

Is **UNEXCELLED** for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, Pink with
claret base claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

ESTABLISHED 1802

*Thorburn's
Bulbs*

Paper White Narcissus
and all other **DUTCH BULBS**
of High Grade.

A few **LILIUM HARRISII** left at
\$37.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

ORDER NOW French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York

In ordering goods please add "I saw it in HORTICULTURE."

Two Valuable Seed Novelties

Do not fail to include in your next catalogue

HOLMES' DELICIOUS SWEET CORN and
HOLMES' GREEN PROLIFIC POLE LIMA

Two of the greatest acquisitions ever offered. See our full page advertisement in Horticulture of Sept. 18th for descriptions and illustrations. Liberal terms to the trade. Write at once before our limited surplus is all engaged.

HOLMES SEED CO., Harrisburg, Pa.

GIGANTIC PANSIES

can only be produced from the Giant Strains. Our **CHALLENGE PANSY** seed contains only the giant self colors, the giant striped and variegated and the giant blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100.00 per ounce.

Pansy--Boddington's Challenge

Trade pkt.	1 1/2 oz.	1/2 oz.	1/4 oz.	1 oz.
50c	75c	\$1.50	\$2.75	\$5.00

We also offer pansy seed in separate colors. Write for special price and catalogue.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., New York City

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS **FLOWER SEEDS** Get Our Prices **79 and 81 E. KINZIE STREET, CHICAGO**

C. C. MORSE & CO. 48-56 JACKSON ST.,
San Francisco, Cal.

WHOLESALE SEED GROWERS

Onion, Lettuce, Sweet Peas and other California Specialties

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CYCLAMEN SEED

Especially grown for us in England. A superb, large flowering strain in 10 separate colors.

100 seeds, \$1.00; 1000 seeds, \$8.00

H. E. FISKE SEED CO.

Faneuil Hall Square
BOSTON, - - - MASS.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

FRENCH AND DUTCH BULBS

Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
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AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

KANSAS CITY, - MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

OF INTEREST TO RETAIL FLORISTS.

St. Louis, Mo.—Mrs. C. Schlueter, who has been conducting a store at 1115 St. Louis avenue, is going out of business.

Boston.—The first invoice of cut boxwood and new green galax leaves has been received by H. M. Robinson & Co.

Greenfield, Mass.—P. E. Burr has moved into new quarters on Davis street, which he has had fitted up with the modern conveniences, including a handsome ice box.

NEW FLOWER STORES.

Cleveland, O.—Ed. Travers, Jacobs Block.

Chico, Calif.—Miss Josie Robbie, Nichols Building.

Morristown, N. J.—John Grunewald, 52 Speedwell avenue.

STEAMER DEPARTURES

Allan Line.

Parisian, Boston-Glasgow . . . Oct. 1

American.

Philadelphia, N. Y.-Sampton, Oct. 2

Atlantic Transport.

Minnewaska, N. Y.-London . . . Oct. 2

Cunard.

Lusitania, N. Y.-Liverpool . . . Sept. 29

Saxonia, Boston-Liverpool . . . Oct. 5

Mauretania, N. Y.-Liverpool . . . Oct. 6

Pannonia, N. Y.-Med'n Ports . . . Oct. 7

French Line.

La Provence, N. Y.-Havre . . . Sept. 30

La Touraine, N. Y.-Havre . . . Oct. 7

Hamburg-American.

Bluecher, N. Y.-Hamburg . . . Sept. 29

Amerika, N. Y.-Hamburg . . . Oct. 2

Leyland Line.

Devonian, Boston-Liverpool . . . Sept. 29

North German Lloyd.

Kp. Wilhelm, N. Y.-Bremen . . . Oct. 5

Gr. Kerfurst, N. Y.-Bremen . . . Oct. 7

Pr. Irene, N. Y.-Med'n Ports . . . Oct. 9

White Star.

Cedric, N. Y.-Liverpool . . . Oct. 2

Laurentic, Montreal-Liverpool . . . Oct. 2

Canopic, Boston-Med'n Ports . . . Oct. 2

THE BEST GREEN THREAD.

John C. Meyer & Co., the sole manufacturers of Silkaline, the first and still the best green thread for florists' use, report a larger call for this specialty this year than heretofore. In a large manufacturing plant such as The Meyer Thread Mills an article of limited demand such as Silkaline counts as a very small item, but notwithstanding this fact, Silkaline has been kept up to the exact standard of excellence from the beginning and its qualities of strength, permanent color, number of yards on spool, and uniform finish never vary as is frequently the case with the cheaper green threads which have been put on the market since Silkaline came into use. If the latter costs a little more it is the most economical in the end for tying plants, stringing smilax, etc., and the increasing call for it seems to indicate that florists and gardeners, for whose use it is specially made, are finding this out.

Orders by Wire Receive Prompt and Careful Execution

J. Newman & Sons

Corporation

24 Tremont Street, BOSTON

Theater, Steamer and Funeral Flowers Our Specialty
We can refer to leading florists in all principal cities.
Established 1870.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from

McKenna
FLORIST
MONTREAL

Careful attention and prompt delivery.

**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

Long Distance Phone
Randolph 2758

HOERBER BROS.

51 Wabash Ave.
CHICAGO

Everything new and in fine shape for business. We have our own greenhouses built on the latest models and of the best materials, and our stock is the best that money can buy.

THEREFORE we are in the best possible position to serve you.

—Our Specialty—

Roses and Carnations

If you want good flowers promptly shipped, **TELEGRAPH, TELEPHONE or CALL AND BRING IN YOUR ORDERS.**

We need you and you need us. No depending upon chance consignments here for we grow our own stock and can always tell you just what you can get.

No disappointed customers when you bring your orders here.

Hoerber Bros., Atlas Block., Wabash Ave., Chicago, Ill.

LONG DISTANCE PHONE RANDOLPH 2758

CHICAGO NOTES.

General Business Topics.

John Breede has rented the space formerly occupied by Scheiden & Schons in the Flower Growers' Market.

F. C. Mendoza, for seventeen years a retail florist at 4254 Grand Blvd., has moved to 356 E. 43rd St. Mr. Mendoza thinks his new location a more favorable one.

Leesley Bros. have commenced work on the 160-acre tract they recently rented near Riverside. They are thoroughly draining it, laying tile every four rods the entire length. They will grow onion sets and other products.

The effect of the new tariff laws is being taken into account by the men who grow bulbous stock for Easter and spring trade. The change from an ad valorem to a specific duty requires a little different figuring of cost to make the profits come out right when the margin is close. The duty is much less on large bulbs than formerly and more on the small and cheaper bulbs which makes it necessary for the florist to brush up his arithmetic a little if he wants to make his bookkeeping come out right.

The question of fertilizers is getting more and more of a problem to the growers in Chicago and vicinity. The

Board of Health no longer allows the shipping of natural fertilizers by the car load and this year for the first time many have had to depend upon the prepared fertilizers exclusively. The natural manure is specially prepared, then shredded and pulverized and delivered in bags and is practically odorless. This is certainly more agreeable to the residents in the vicinity of the various growing districts but, rather more expensive to the plant men.

One of the events in the wholesale market this week was the opening of the Hoerber Bros.' place of business in the Atlas Block, at 51 Wabash avenue. The main room, 40x60 feet, fronts on Wabash avenue, and is well lighted by seven large windows. A well appointed office occupies one side and white enameled tables fill the space between office and ice box. A new elevator is being put in which will make the north end of the Atlas Block, which is practically a florists' block, as easily accessible as the south end. This firm consists of Wm. F. Hoerber, sales manager, and Fred C. Hoerber, who will be in charge of the greenhouses. They are energetic young men and HORTICULTURE wishes them success in their new undertaking.

Personal.

Miss Elsie Wiggins of the E. H. Hunt Co. is having an extended trip West, stopping at Denver, Salt Lake City and other points.

E. B. Washburn, son of C. L. Washburn and grandson of O. P. Bassett, is to be married on October 27th to Miss Belle Story of Riverside, Ill. "Ned" is usually to be found at the desk in the office of Bassett & Washburn. He graduated from the University of Wisconsin and immediately entered business with his father and grandfather.

Visitors: Mrs. E. L. Sawyer, Creston, Iowa; Chas. Hughes, Hillsdale, Ill.; Lena McCoy, Seattle, Wash.; Harry Bock, Burlington, Iowa; E. A. Beaven, Evergreen, Ala.; Mr. Brinkman, of Brinkman Bros., Michigan City, Mich.; Mrs. Henry Clay Eckenberger, Portland, Ore.; S. S. Skidelsky, of Skidelsky & Irwin Co., Philadelphia, Pa.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Washington, D. C.—Gude Bros., 1214 F St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—George Wittbold Co., 1657-59 Buckingham Place.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—J. Newman & Sons, Inc., 24 Tremont St.

Boston—Julius A. Zinn, 2 Beacon St.

Wellesley, Mass.—Tallly.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.

New York—Young & Nugent, 42 W. 23th St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.



N. E. FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

ASTERS

Best \$2.00 per 100

Good stock, \$1.00-\$2.00 per 100.

Any quantity of white; good clean flowers.

DAHLIAS

Large assortment.

Best varieties.

\$2.00-\$4.00 per 100.

BRONZE GALAX

\$7.50 per case.

As good as you can get them this time of the year.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

You Want Carnations

UP-TO-DATE VARIETIES

Well-Grown, Healthy Stock

The Advertisers of Field Grown Carnations in this Paper are the leaders in their specialty. You can rely on them. Send Your Orders to Them: Look through pages 431, 450.

CARNATIONS

All Colors—Good Quality

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO.
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Sept. 20		Sept. 20		Sept. 20		Sept. 22	
ROSES								
Am. Beauty, Fancy and Special	25.00	to 30.00	25.00	to 30.00	18.00	to 20.00	18.00	to 25.00
Extra	20.00	to 25.00	15.00	to 25.00	15.00	to 18.00	10.00	to 15.00
No. 1	12.00	to 20.00	10.00	to 15.00	10.00	to 15.00	4.00	to 8.00
Lower grades	8.00	to 12.00	5.00	to 10.00	5.00	to 10.00	2.00	to 3.00
Belle, 'Maid, Chateaux, F. & S.	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	3.00	to 6.00
Lower grades	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00	.25	to 1.00
Killarney, Fan, & Sp.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00
Lower grades	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00	.25	to 1.00
Richmond, Fancy & Special	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Lower grades	2.00	to 5.00	3.00	to 6.00	2.00	to 4.00	.25	to 1.00
My Maryland, Kaiserin	4.00	to 10.00	.....	to	2.00	to 8.00	.50	to 6.00
CARNATIONS								
	1.50	to 3.00	1.00	to 3.50	1.00	to 2.00	.75	to 1.50
MISCELLANEOUS								
Chrysanthemums	15.00	to 25.00	15.00	to 20.00	12.50	to 18.00	8.00	to 12.00
Gladioli	2.00	to 6.00	3.00	to 8.00	2.00	to 3.00	1.00	to 4.00
Asters	1.00	to 3.00	1.00	to 3.50	.50	to 2.00	.50	to 1.00
Violets	.....	to .....	.....	to .....	.....	to .....	.35	to .50
Camelias	35.00	to 50.00	10.00	to 50.00	60.00	to 75.00	50.00	to 75.00
Lilies	.....	to 15.00	10.00	to 15.00	10.00	to 12.50	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	2.00	to 3.00	2.00	to 5.00	2.00	to 4.00
Mignonette	2.00	to 5.00	.50	to 1.00	.....	to .....	.50	to 1.00
Sweet Peas	.....	to .....	.30	to .40	.....	to .....	.05	to .80
Gardenias	.....	to .....	.....	to	10.00	to 20.00	20.00	to 35.00
Adiantum	.75	to 1.00	.75	to 1.00	1.00	to 1.50	.75	to 1.00
Smilax	10.00	to 15.00	10.00	to 15.00	12.50	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00
" " & Sprea. (100 bchs.)	25.00	to 35.00	35.00	to 50.00	25.00	to 50.00	15.00	to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.
WHOLESALE COMMISSION DEALERS IN
CUT FLOWERS—FLORISTS' SUPPLIES
AND HARDY CUT EVERGREENS

15 PROVINCE ST., 9 CHAPMAN PLACE
Long Distance Telephones
2617-2618 MAIN BOSTON, MASS.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product
want a regular or special supply of the
product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the
Wholesale Flower Trade

Flower Market Reports.

"The same old story," BOSTON said the man we interviewed on the cut flower situation. Looking over the field we cannot contradict him. Business is really dull and backward for this date. As to the material in market it may be stated that asters are still the lion in the path. They are overloading every wholesaler and it is a pity that such good stock should meet such a fate. Chrysanthemums increase with every sunrise, Polly Rose and Golden Glow holding the stage at present. Roses are excellent in quality, but entirely too common and actually in the way. American Beauty holds its position at \$25 for the best, but they ought to bring more, for they are elegant. Violets are seen on all sides now—single varieties only—but they are not up to "concert pitch" and have to struggle hard for recognition. There is a good call for lily of the valley and it is not remiss as to quality. Carnations are increasing but they have to face the asters, and unless they are of extra quality with good long stems they get little encouragement. Lilies are scarce. New York lily handlers might look to Boston to help them out advantageously on the lily proposition.

A decided improvement in the volume of trade each week is evident and if the supply of flowers were larger no doubt everything would sell. The demand has practically been ahead of the supply all the month. The extreme hot weather during the middle of the month hurried on the stock, but left the quality poor and the sales for a few days diminished accordingly. Quantities of asters are still coming in from the East. A few dahlias are now in but with very short stems. Carnations are improving daily and the stems are gradually lengthening out. Gladioli and other outdoor flowers are not so much in evidence as in other years. The shortage of good asters throughout the greater portion of their regular season is attributed to the unusual rainfall of the spring followed by an unbroken drouth of several weeks. The government report shows at the present time that 1909 has so far been treated to over seven inches of rainfall above the normal. The dahlias have not done at all well under these conditions. Growers who have cultivated this flower successfully for twenty-five or more years are cutting dozens where they usually get hundreds. Roses are very good for the fall season and the various growers are saying all sorts of good things of their favorite varieties. One thing is certain the dull season is past and the busy season is fairly under way in Chicago.

The extremely warm DETROIT spell of last week prevented a full development of the counter trade, still the total volume of business was satisfactory. Chrysanthemum Golden Glow is very disappointing as a seller. Carnations are much improved in quality. The outlook for violets is splendid; plants are in very good shape with many buds showing already. In about ten days we may expect the beginning of the chrysanthemum harvest. With some snappy weather they should go with a rush.



FIELD GROWN Carnation Plants

We offer, subject to prior sale, the following:

These are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and handled under the best possible methods, thus insuring results that will place the plants in our customers' hands in the very best condition.

R. PINK ENCHANTRESS
WHITE ENCHANTRESS
MRS. LAWSON
WHITE LAWSON

LADY BOUNTIFUL
WHITE PERFECTION
MRS. PATTEN
WINONA

WINSOR
SPLENDOR
AFTERGLOW

First grade \$8.00 per hundred. \$75.00 per thousand.

ENCHANTRESS SPECIAL

A fine lot of field grown guaranteed stock at
\$55.00 per 1000

Sample on application.

QUEEN
GENEVIEVE LORD { \$5.00 per hundred.
HARLOWARDEN { \$45.00 per thousand.
SARAH HILL, \$12.00 per hundred.

POT GROWN PLANTS

BOJNTIFUL, 4 in. Pots, \$5.00 per hundred, \$45.00 per thousand.

S. S. PENNOCK-MEEHAN CO.

The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

Business the past week exceeded by far any previous week in September and everyone is looking for a steady increase from now on. There has been an exceptionally good supply of stock. Beauties and tea roses of all kinds have been plentiful enough to compete with the demand. My Maryland is fast becoming a favorite with the florists in this vicinity. Carnations are improving daily and are arriving with some degree of regularity. Dahlias are in their glory now

and afford the buyers good value for their money in the way of display. Lily of the valley is somewhat short in supply with little or no market for it. Asters are about over for this season. Gladioli have shortened up considerably. There are some chrysanthemums, but buyers are not anxious to pay stiff prices. Adiantum and asparagus are more in demand while sales of smilax are irregular. Cattleyas have been scarce so far. Stock with all the growers is in a most healthy condition, with prospects brighter than ever for a very successful season.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Sept. 21		Sept. 20		Sept. 20		Sept. 21	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00
" No. 1	8.00	to 12.00	16.00	to 20.00	10.00	to 15.00	6.00	to 10.00
" Lower grades	4.00	to 6.00	3.00	to 10.00	2.00	to 8.00	.....	to 4.00
Bride, 'Maid, Chateaux, F. & S.	.....	to 6.00	4.00	to 6.00	5.00	to 6.00	.....	to 6.00
" Low. gr.	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan. & Sp.	.....	to 6.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy & Special	6.00	to 7.00	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
My Maryland, Kaiserin	4.00	to 6.00	3.00	to 12.00	4.00	to 6.00	3.00	to 8.00
CARNATIONS								
.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Chrysanthemums	15.00	to 25.00	6.00	to 8.00	15.00	to 25.00	12.50	to 15.00
Gladioli	2.00	to 4.00	3.00	to 6.00	1.00	to 4.00	2.00	to 3.00
Asters	.50	to 2.00	1.00	to 2.50	.50	to 1.50	.25	to 2.00
Cattleyas	.....	to 35.00	35.00	to 50.00	60.00	to 70.00	40.00	to 50.00
Lilies	10.00	to 12.00	15.00	to 20.00	12.00	to 15.00	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette	.....	to 1.00	.50	to 1.00	1.00	to 1.50	2.00	to 3.00
Sweet Peas	.35	to .50	.25	to .50	.50	to 1.00	.50	to 1.00
Gardenias	.....	to 20.00	20.00	to 30.00	30.00	to 30.00	20.00	to 30.00
Adiantum	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.25	to 1.50
Smilax	10.00	to 12.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00
" " & Sprea. (100 bchs.)	30.00	to 25.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALEOpen from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,
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LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
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GARDENIAS, DAISIES, ROSES AND CARNATIONS

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JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 18 1909		First Half of Week beginning Sept. 20 1909	
American Beauty, Fancy and Special.....	10.00	to 25.00	10.00	to 25.00
" " Extra.....	6.00	to 10.00	6.00	to 10.00
" " No. 1.....	4.00	to 6.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Field, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.25	to 2.00	.25	to 2.00
Killarney, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.35	to 1.00	.25	to 1.00
Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.25	to 2.00	.25	to 2.00
Chatenay.....	.25	to 4.00	.25	to 4.00
Fly Maryland.....	.50	to 6.00	.25	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" Ordinary.....	.25	to 1.00	.25	to 1.00

**Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID**CENTRALLY LOCATED, THE HUB OF THE
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Wholesale Florist

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We manufacture all our

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Glassware Decorative Greens and Florists' Requisites**GROWERS' CUT FLOWER CO.**CUT FLOWERS
AT
WHOLESALEVIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES

Consignments Solicited. Shipments to Order, any Distance

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J. J. COAN, Manager

NEW YORK

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

WHOLESALE FLORISTS54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**

CONSIGNMENTS SOLICITED.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

**B. S. SLINN, JR.
VIOLETS**Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut.
Cycas and Palmetto.Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
5893**COUNT YOUR SPOOLS**In the boxes if Meyer Green Silkaline
and then count the other parties.

For sale by all reliable houses.

John C. Meyer & Co. Boston and
Lowell, Mass.**Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers**Flower Market Reports.**

(Continued from page 447)

PHILADELPHIA

The improvement noted in our last week's report still continues—with supplies fully equal in most lines—which accounts for the price equilibrium. The only items that have hardened up are American Beauty roses, lily of the valley, and orchids. All the other staples have so increased in quantity that prices have remained stable. Good judges claim that on an average prices are not nearly as good as they were this time a year ago. We have not compared them; but are inclined to believe that is correct. A spurt in the demand for American Beauty roses was in evidence last Thursday—the Jewish new year. When the sons of Israel can jimmy-coggle the flower market of the Quaker city during the slack season, it is a sign of the times, and compels us all to take notice of changing social conditions. Dahlias are in very large supply and of splendid quality. There is a noticeable improvement in these as the days go by and they are now astonishing as to quality and variety. The early chrysanthemums have a hard row to hoe against the dahlias. Asters are yet very fine—in spots—but there is an immense influx of medium to poor flowers. On the whole, we think the asters do not size up to last year's record for quality—probably on account of the dry summer. We have seen no such Cregos this season as we did last

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

GROWERS FOR NEW YORK MARKETAre invited to call or write. I can dispose of your flowers for
the coming season at top prices and guarantee prompt returns.Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.**J. K. ALLEN**106 W. 28th St.
New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****MISCELLANEOUS**

	Last Half of Week ending Sept. 18 1909		First Half of Week beginning Sept. 20 1909	
Cattleyas.....	40.00	to 75.00	40.00	to 75.00
Lilies.....	3.00	to 6.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 4.00
Chrysanthemums.....	12.00	to 15.00	12.00	to 15.00
Asters.....	.10	to 2.00	.10	to 2.00
Gladioli.....	.25	to 1.00	.25	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	20.00	to 25.00	20.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprea. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

year. One of the best lately seen is Violet King, a variety of the late-branching type; a lovely shade of soft violet, with large, very double, perfectly formed flowers. Pink roses are too plentiful. White roses are a healthier proposition and sell up fairly well. Meteors are fair. Nothing good in Richmond yet. Carnations few and far between—ill-clad, wistful and solitary—they ought to stay home until feathers are grown. Enchantress, White Perfection, Pink Enchantress, and Crocker are the boldest. Very few reds have dared to show their heads. Sweet peas from the nearby mountain districts are a charming addition—in lavender, pink and white—to the local market. They are good stuff and are apparently exclusive with one house; but they are there in ten thousand lots daily. A few violets have made their appearance—small but fragrant. Cattleyas and dendrobiums more plentiful, but not yet enough for the demand. There is a good call for hydrangea heads for store decoration. Cosmos, tritoma, gladiolus, tuberose, water lily, and dozens of other minor subjects, make up the weekly symphony and find more or less favor. Polly Rose and many other new chrysanthemums will add to the gaiety in a few days.

NEW YORK

Other than an occasional spasmodic scurry which awakens hope of more permanent activity but little has yet transpired to indicate that summer is past and that it is time

to "get a move on." Wholesalers are touring the country looking after their fences all the way from Hoboken to Rhinebeck and growers with unsettled ideas but alert faculties are slyly around the wholesale district in the city, so it is evident that, as they say in the club meetings, things will eventually "take the usual course," but it requires patience at the present time. Some things have shortened up in supply and thus relieved the market somewhat and the quality of greenhouse product has greatly improved. Roses are being shipped in large quantities to the wholesalers now and selling rates are very low.

ROSENS48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses**Southern Wild Smilax**
Satisfaction Guaranteed

Louisville Floral Co., Louisville, Ala.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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H. A. Dreer, Philadelphia.

ASPARAGUS

Elmer D. Smith & Co., Adrian, Mich.
Sprenger, Teunissimus, Plumosus.
For page see List of Advertisers.
Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.
Asparagus Plumosus Nanus, strong plants from 2 1/4 inch pots, \$2.50 per 100, \$22.00 per 1000. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.
Asparagus plumosus, strong 2 and 3-in., \$3.00 and \$5.00 per 100. Sprenger, extra heavy, 3 in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.
Asparagus Sprenger, extra strong plants. John F. Flood Co., Dedham, Mass.

AUCTION SALES

N. F. McCarthy & Co., 84 Hawley St., Boston.
Fall Plant Auction Sales.
The Fruit Auction Co., 200, 202, 204 Franklin St., New York.
Decorative Plants at Auction.
Wm. Elliott & Sons, 42 Vesey St., New York.
Plant Auction Sales.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Begonia Gloire de Lorraine, strong stuff, ready for 4-inch pots, \$15.00 per 100. New Begonia Pres. Taft, strong plants, ready for 4-inch pots, \$25.00 per 100; extra strong, ready for 6-inch pots, \$50.00 per 100. Iris Pallida Dalmatica \$12.00 per 100, \$100.00 per 1000. Now is the time for planting. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

BEGONIAS—Continued

Begonia Gloire de Lorraine, fine stock from 2 1/4 inch pots, \$10.00 per 100. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron. Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Lilium Longiflorum and Other Forcing Bulbs.
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Wm. Elliott & Sons, 42 Vesey St., New York.
Lily Bulbs.

CARNATIONS

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Carnations for Immediate Delivery.
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Field Grown Carnation Plants.
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Field Grown Plants.
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Geo. Peters & Sons, Hempstead, N. Y.
Field Grown.
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C. H. Jenkins, Cumberland Centre, Me.
Carnations Field Grown.

A bargain for some one. We have 155 white Lloyds, 50 white Queen, 50 Prosperity, and \$10.00 cash takes the lot. You cannot get better plants at any price. The Hillside Floral Gardens, Atlantic Highlands, N. J.

Carnation plants from field, extra strong and healthy. Enchantress, \$5.00 per 100, \$45.00 per 1000. Mrs. Thos. W. Lawson and White Lawson, \$4.00 per 100, \$40.00 per 1000. Cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS—2500 Queen, \$50.00 per 1000; 2500 Boston Market, \$50.00 per 1000; 3500 Enchantress, \$50.00 per 1000; 1500 Harlowarden, \$45.00 per 1000; 500 Red Sport, \$45.00 per 1000. Fox & Rosen, Parker Ford, Pa.

1500 fine field grown carnations for sale; Enchantress, White Perfection, Lady Bountiful, \$5.00 per 100; \$45.00 per 1000. Samuel Klander & Bro., Bristol, R. I.

UNUSUALLY FINE STOCK.

White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

Field-grown carnations, strong, healthy plants. B. Market, Queen, Fair Maid and Lawson, \$3.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

Carnations, field grown; 500 Enchantress, 500 Mrs. Nelson, 500 Queen, 500 Penn. good plants, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.
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CHRYSANTHEMUMS

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Chrysanthemums Rooted Cuttings.
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I. M. Rayner, Greenport, N. Y.
Chrysanthemum Golden Glow.
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Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS PANICULATA

Fine plants, two and three years, \$1.00 per doz.; \$5.00 per 100; 50 at 100 rates. F. A. Baller, Bloomington, Ill.

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OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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WE PAY THE FREIGHT

On Cut Flower Boxes if your order reaches us during September. Write for sample of stock we use and prices. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Thomas Roland, Nahant, Mass.
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Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Atco, N. J.

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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

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Imported Plants for Fall Delivery.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Nephrolepis Elegantisima Compacta.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Whitman ferns; Runners, \$2 per 100; 6 in., \$5 per doz.; 7 in. and 8 in., 75c. and \$1 each. Cash with order. Edw. G. Davis, Shawmut Ave., New Bedford, Mass.

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German Kali Works, 93 Nassau St., New York, N. Y.
Potash.

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Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

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Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.

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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, Nutt, \$12.50 per 1000; Ricard, Poitevine, \$15. A. M. Herr, Lancaster, Pa.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Fearless Glazing Point.
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GLAZING POINTS — Continued

GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., 113 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.

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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.
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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

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In writing to Advertisers kindly mention Horticulture

HOT-BED SASH

- The A. T. Stearns Lumber Co., Neponset, Mass.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Lord & Burnham Co., 1133 Broadway, N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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HYDRANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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- Stump & Walter Co., 50 Barclay St., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Phila. Insecticide Co., 6117 Main St., Germantown, Pa.
Pullman's Insect and Worm Destroyer: Nicotine.
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- B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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- Geo. E. Talmadge, Inc., Madison, N. J.
Aphine.
For page see List of Advertisers.
- "The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JERUSALEM CHERRIES

Jerusalem cherries, 4-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St., New York.
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KENTIAS

- Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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- A. Leuthy & Co., Roslindale, Mass.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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MANUALS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.
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MUSHROOM SPAWN

Wm. Elliott & Sons, 42 Vesey St., New York.
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NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
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NURSERY STOCK

- John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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- P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.
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- New England Nurseries, Inc., Bedford, Mass.
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- W. B. Whittier & Co.,
South Framingham, Mass.
- W. & T. Smith Co., Geneva, N. Y.
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- Bobbink & Atkins, Rutherford, N. J.
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- Eastern Nurseries, Jamaica Plain, Mass.
Pinus Strobus.
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
For page see List of Advertisers.
- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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- Carrillo & Baldwin, Secaucus, N. J.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 105.
C. Labiata: D. Bigibbum Arrived.
For page see List of Advertisers.
- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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- Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
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- John Scott, Brooklyn, N. Y.
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PANSY PLANTS.**BROWN'S PANSIES.**

Extra select, superb giant, mixed pansy plants, \$3.00 per 1000; \$25.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

PANSY SEED

- A. T. Boddington, 342 W. 14th St., New York.
Giant Pansies.
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- The best Giant Pansy seed. Send for leaflet. Chas. Frost, Kenilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

- Gilbert H. Wild, Sarcoxie, Mo.
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- The E. G. Hill Co., Richmond, Ind.
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- S. G. Harris, Tarrytown, N. Y.
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- Cottage Gardens Co., Queens, N. Y.
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- Peonies. All varieties true to name; will also furnish full description if desired. American Beauty, \$10.00 per hundred; Clirissa, \$6.00; Dorton's Coros, \$12.00; Fragrans, \$6.00; Festiva Alba, \$15.00; Ivory, \$10.00; Prince of Wales, \$8.00; Queen Alexandra, \$8.00; Rosea Pl. Superba, \$10.00; Queen Victoria, \$10.00; Japanese varieties, Marquis Ito, \$16.00; Miles Standish, \$12.00; Queen Esther, \$20.00. Order today. Wagner Park Conservatories, Sidney, Ohio.
- Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.
- 6 choice named kinds, distinct colors, \$1.00 per doz.; \$6.00 per 100. F. A. Baller, Bloomington, Ill.
- Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfeld, Westpoint, Nebr.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

- Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.
- Geo. B. Doane & Son Co., 18 Midway St., Boston.
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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

- F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinsensis.
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- Ed. Herrmann, North & Milton Aves., Baltimore, Md.
Chinese Primulas.
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- Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

- John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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- P. Ouwerkerk, Hoboken, N. J.
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ROSES

- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- Dungee & Conard Co., West Grove, Pa.
Novelties in Roses.
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- Poehlmann Bros. Co., Morton Grove, Ill.
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A. N. Pierson, Cromwell, Conn.
White Killarney, My Maryland, Rambler.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on **Roses**
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Roses. Climbing, extra large two year old
stock on own roots. Crimson Rambler, Phil-
adelphia Rambler, Prairie Queen, \$10.00 per
hundred. Dorothy Perkins, Pink Rambler,
Queen Alexandra, \$7.00 per hundred. White
Rambler, Yellow Rambler, Baltimore Belle,
Seven Sisters, Debutante, \$6.00 per hundred.
Mandas Triumph, Jersey Beauty, \$5.00 per
hundred. Wagner Park Conservatories,
Sidney, Ohio.

SABBATIA CHLOROIDES

L. H. Read, Fruitvale, Ala.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.
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A. J. Pieters, Seed Grower, Hollister, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, 342 W. 14th St.,
New York.
Giant Pansy Seed.
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Rickards Bros., 37 E. 19th St., New York.
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R. & J. Farquhar & Co., 6-7 So. Market St.,
Boston.
Giant Cyclamen Seed.
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H. F. Michell Co., 1018 Market St., Phila.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
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Schlegel & Fottler Co., 26 & 27 So. Market
St., Boston.
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-
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A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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C. C. Morse & Co., 48-56 Jackson St., San
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O. V. Zangen, Hoboken, N. J.
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Holmes Seed Co., Harrisburg, Pa.
Green Prolific Pole Lima Bean: Delicious
Early Sweet Corn.
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H. E. Fiske Seed Co., Boston.
Cyclamen Seed.
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Louisville Floral Co., Louisville, Ala.
Southern Wild Smilax.
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SHRUBS

The George Wittbold Co., 1657 Buckingham
Place, Chicago.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 2 1/4 in., \$1.50 per 100;
\$10.00 per 1000. Cash please. Wm.
Livezey, 6 McCabe St., New Bedford, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Finest sphagnum moss, 5 barrel bale,
\$1.25; ten or more, \$1.00 each. The New
Jersey Moss Co., Wright-Sterling, 802
Chestnut St., Philadelphia, Pa.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.

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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STEVIA

Stevia, 2 in., 2 cts. Double Alyssum,
2 in., 2 cts. Cash with order. O. C. Day,
Hudson, Mass.

SULFUR BURNER

Benj. Dorrance, Dorranceton, Pa.

SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.

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R. Vincent, Jr., & Sons Co.,
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Foley Mfg. Co., Western Ave., between
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The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1138
Broadway, N. Y.

VINCAS

Charles H. Green, Spencer, Mass.
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Charles H. Green, Spencer, Mass.
Violets Field Grown.
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E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.

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Chas. W. McKeller, 51 Wabash Ave.,
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A. N. Pierson, Cromwell, Conn.
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Michigan Cut Flower Exchange, 38 and 40
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W. F. Sheridan, 39 W. 28th St., New York.
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Philip F. Kessler, 55 & 57 W. 26th St.,
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J. K. Allen, 106 W. 25th St., New York.
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Charles Millang, 55 and 57 West 26th St.,
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B. S. Shinn, Jr., 55-57 W. 26th St., New
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In writing to Advertisers kindly mention Horticulture

WHOLESALE FLORISTS—

Continued
Philadelphia

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Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.
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The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.
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H. F. Mitchell Co., 1018 Market St., Phila.
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DOUBLE ARCH CARNATION SUPPORTS.
Elmer D. Smith & Co., Adrian, Mich.
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FLOWERS BY TELEGRAPH.
Hoffman, Florist, 59-61 Massachusetts av., Boston.
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GRATE BARS.
Broadway Iron Foundry Co., 92 Broadway, Cambridgeport, Mass.
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IRON CLAD RHODODENDRONS.
John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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LILACS: TREES, SHRUBS, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
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MUSHROOM SPAWN.
Wm. Elliott & Sons, 42 Vesey St., N. Y.
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NEW WHOLESALE FLOWER HOUSE.
Hoerber Bros., Atlas Block, 51 Wabash Ave., Chicago.
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NEW SEEDLING CARNATIONS.
Dingee & Conard Co., West Grove, Pa.
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ORCHIDS: ESTABLISHED AND NEW IMPORTATION.
Stuart Low & Co., Rush Hill Park, Enfield, Eng.
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PALMS: DECORATIVE PLANTS.
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PEONIES: FIELD-GROWN PHLOX.
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PEONIES.
Cottage Gardens Co., Queens, N. Y.
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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

NEWS NOTES.

Boulder, Colo.—The H. M. Teller ranch has been purchased by Bernard Beers, florist, of this city.

Brattleboro, Vt.—R. H. Messenger will have charge of the new greenhouse recently erected by C. W. Dunham.

New Haven, Conn.—Alfred T. Ostermann, florist at 123 Church street, will open a new nursery on land recently purchased.

So. Hadley Falls, Mass.—Gallivan Bros. of Holyoke have leased the Bates' greenhouses for a year. Herbert Bennett will remain in charge.

Greenfield, Mass.—Charles P. MacDonald, undertaker and florist, has filed a voluntary petition in bankruptcy. Liabilities \$2034, assets \$1020.

Provo, Utah.—The Stark Bros. Nursery & Orchard Co. has brought suit against the Utah Lake, Land, Water & Power Co. to collect \$579 alleged to be due for nursery plants.

Lenox, Mass.—Henry J. Lamke, who has been in charge of the Cold Brook greenhouses, has bought the Reynolds farm of 100 acres at Richmond and will start in the nursery business.

Kansas City, Mo.—William L. Rock has devoted a tract of eighteen acres to a public garden to be laid out this fall and opened next spring. The garden, exclusive of the land, will cost about \$15,000 when completed.

Montreal, Can.—A meeting of vegetable growers was held at the MacDonald College on September 8 with a view to organizing an association for the advancement of their interests in the province. After being shown over the horticultural department by Prof. W. S. Blair, lunch was taken at the college and an address given by the Principal, Dr. J. W. Robertson. About thirty growers were present and officers were elected. The executive committee will meet shortly to complete details. The organization will be known as the Vegetable Growers' Association of the Province of Quebec. It is proposed to hold annual exhibitions in Montreal similar to those of the Ontario Association at Toronto.

BUSINESS CHANGES.

Paris, Tex.—J. W. Goree of White-twright has moved his plant to this town and is making additions thereto.

San Rafael, Cal.—Richard Lohrmann, formerly gardener for A. W. Foster, has started in the florist and nursery business.

Colchicum speciosum album, bearing snow-white blooms of enormous size in autumn, is among the specialties being offered by J. Backhouse & Son of York, England. The variety has been developed from stock originally found in Asia Minor. It has brought a very high price in the past, but is in now sufficient supply to be listed at a figure which will bring it within reach of everybody.

See the advertisement of the Broadway Iron Foundry Company in this issue. The most durable grate bars at the lowest price is a proposition the majority of greenhouse owners ought to be interested in at this particular season.

Obituary

Aaron W. Morgan.

Aaron W. Morgan, for many years a florist in Danville, Ill., and who bought the Iralson store on 43rd St., last May, was found dead in bed on Sept. 10th. The gas was found turned on but no one thinks it was intentional as Mr. Morgan's hands were badly crippled with rheumatism and were consequently unsteady.

The remains were taken to Danville on the 12th.

Mr. Morgan was 71 years old and leaves a son and two daughters, and though his stay in Chicago has been brief he had made many friends. He was a member of the Chicago Florists' Club.

Alexander Bogie.

Alexander Bogie, an aged florist, died at his home, 506 Summit avenue, Jersey City, N. J., on the 12th inst.

In Memoriam.

The funeral of Mr. T. M. Waters, whose death was recorded in our last week's issue, was attended by the florists of Richmond, Ind., who acted as pall-bearers. We have received the following tribute to his character, which we gladly accord a place in our columns:

Thomas Marion Waters, son of John and Mary Waters, was born on a farm in Preble County, Ohio, almost 54 years ago, and practically all his life was passed in this county. Graduating from the college at Ladoga, Indiana, in early manhood, he spent several years teaching in our public schools, laboring between terms on the farm and at various other callings, until his brother, Will Waters, was elected sheriff of this county, and under him he served as Deputy Sheriff for four years to the satisfaction of the public and with honor to himself.

On July 21, 1889, he united in marriage with Ida May Bell, who survives him.

Uniting with the Presbyterian Church at Eaton, Ohio, in 1894, he was and continued to be until his death, an earnest, consistent and faithful Christian. He was one of the best known men in our community and being of a kind, gentle and retiring disposition, he was loved, honored and respected by all with whom he came in contact. Gifted with a loving nature that admired and followed the good and true and beautiful, he was so soft spoken with voice and words, that although the writer knew him closely and well for more than a quarter of a century he was never heard to raise his voice in anger or bitter words or excitement even when danger threatened. On every moral question he only asked which side is right, and there he took his stand.

Engaging in the business of florist at Eaton, Ohio, in 1892, he continued therein honoring his business; he admired his flowers, handling them with the caressing tenderness of one who loved their beauty and fragrance, and talked of them as though they were things of life. Winning by his gentleness, he held the love and esteem of his associates in business, and it seems proper and fitting that those who spend their lives and time decorating every phase and walk of life with the most beautiful tokens of God's love for man should lay away their brother worker amid the emblems that typify Heaven's Eternal bloom.

A loving husband, a good and kind brother, a gentle Christian, a faithful friend and neighbor, and a good citizen has gone to his rest.

Berkeley, Cal.—Otto C. Dorrier, who had been employed by A. Hutchinson, florist, at 2315 Telegraph avenue, was arrested in San Francisco, Sept. 11, charged with having robbed his employer.

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IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?

PHILADELPHIA NOTES.

A. B. Scott, of Alexander Scott & Sons, has returned from his Canadian trip.

D. T. Connor is organizing a Philadelphia party to attend the Vincent Dahlia Show at White Marsh, Md., September 28th.

Samuel S. Pennock has returned from his Canadian trip. Montreal, Quebec, and points beyond were thoroughly investigated during the visit.

Philadelphia on the 20th inst. had the pleasure of gazing on the rotund and vigorous personality of Daniel MacRorie of the MacRorie-McLaren Co., San Francisco.

William Didden's asters with forty-two-inch stems and flowers four to five inches in diameter have made the wholesalers sit up and take notice this season. A new Furman boiler is being installed.

Some beautiful phloxes were shown by Dreer at the Dahlia show, Sept. 20th. Here is George D. Clark's list of the best six out of hundreds: Pantheon, R. P. Struthers, Selma, Seibold, Mrs. Jenkins, Eclairer.

William Kleinheinz, president of the National Gardener's Association, has announced the list of prizes to be awarded at the annual convention of that society, to be held in Philadelphia next spring under the sheltering wing of the P. H. S.

Daniel Baird, the popular janitor of the Florists' Club room at Horticultural Hall for many years, will join the forces of Pennock Bros. on the 27th inst. A. Campbell, assistant janitor, will succeed Mr. Baird as major domo of the club room.

George Anderson is gathering about him a fine collection of sons-in-law. It is reported that he was seen driving through Lansdowne last Sunday with four of them in his auto. There is still room for a few more. The Anderson suffragette crop was one of the finest on record in these parts.

Sweet peas for early winter crop at E. F. Hoehl's are now about three inches high in the benches. Mignonette is also under way. New York market is the variety grown. It is a very choice strain and brings the highest price in this market. Marguerites are grown in pots and plunged. This prevents too tall a growth and encourages flower production. Asparagus plumosus has proved a profitable crop the past season and promises well for next winter. This is one of the best kept places we have had the pleasure of visiting for some time. A new house has been added the past summer.

Visitors this week: Richard Vincent and niece, White Marsh, Md.; Mr. and Mrs. John A. Beck, Milton, Pa.; Mr. Breitenstein, Pittsburg, Pa.; Lloyd Swarthout, Washington, Pa.; the Misses Moore and Ware, Wilkesbarre, Pa.; Hugo Kind, Hammonton, N. J.; Daniel MacRorie, of San Francisco.

The Lowthorpe School of Landscape Gardening and Horticulture for Women at Groton, Mass., opened on September 15. The course covers three years and fits the student for any phase of landscape work. Prominent among the lecturers are J. F. Dawson and among the instructors Miss Laura Blanchard Dawson, son and daughter, respectively, of Jackson Dawson of the Arnold Arboretum.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

WANTED Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—Florist Assistant with experience in growing Pot stuff. Must be careful in watering. Wages \$12.00 per week. Address, with references and experience, J. A. Peterson, Westwood, Cincinnati, O.

WANTED—Experienced seed clerk. Wages \$15 a week. Address "E," care HORTICULTURE.

SITUATIONS WANTED

GARDENER—Working, Scotchman, 32 years of age, married, wants charge of Gentleman's private place. Life experience. Thoroughly well up in every branch of gardening. First-class personal and written references. Disengaged September. Address "Gardener," Halesite, N. Y.

SITUATION WANTED as head gardener of a gentleman's estate in Massachusetts, 6 years experience in America. Best recommendations from present employer. Address "Gardener," care of HORTICULTURE, 11 Hamilton Place, Boston.

SITUATION WANTED as Florist by young man with 10 years' practical experience; thoroughly capable. 25 years old. Good references. Address Stephen Burton, care Dr. Givens, Stamford, Conn.

SITUATION WANTED by young energetic, sober man; 26 years old; 10 years' experience in growing plants and general greenhouse work; place near Boston preferred. Address, WORK, care of HORTICULTURE, 11 Hamilton Place, Boston.

Situation wanted by Gardener, private or commercial; employed now and for past 12 years with a leading New England nursery at Liberty November 1. Address, James Ganley, 5 Wirthrop Ave., Reading, Mass.

A young lady who is unable to continue her studies because of financial difficulties, wishes to obtain employment with a florist. Address L. M. D., 1 Raeburn Terrace, Newton Highlands, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., ½ acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

GREENHOUSE, at a bargain; must be sold at once on account of illness; well stocked; large lot; dwelling house, lawn, shrubbery, fruit; fine business in center of city of 30,000; 8 miles from Boston. Part cash. "Florist," care HORTICULTURE.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

During Recess

RETAIL FLORISTS' ASSOCIATION OF NEW YORK.

This young organization had its "First Annual Smoker and Stag" on Friday evening, September 17, at Reisenweber's, 58th street and 8th ave., New York City. About seventy-five gentlemen were in attendance and they enjoyed themselves up to the limit. A fine musical program was furnished by vaudeville managers, including dancing and songs and stirring addresses were made by Mr. Nicholas and others. A fine collation was served. A telegram was read from Wm. J. Stewart, Boston, expressing regret at inability to be present.

ROCHESTER NEVER TIRES.

The local association, last Wednesday, held a clambake at Salmon's Grove, which was well attended. In spite of the many guests the clams, under W. Keller's able management, went all round, while Messrs. Stringer and Vick, as dispensers of good cheer, made one think they had missed their vocation. Our well-known friend, G. Kramer, had charge of the games, which brought out unexpected abilities in many of our florists. The afternoon was voted a most successful one, and now we look forward to a grand supper a couple of weeks hence.

A. P.

CHICAGO PREPARES FOR ROCHESTER.

Allie Zeck, one of the most enthusiastic leaders in the Chicago Florists' Bowling Club, has succeeded in arousing sufficient enthusiasm in the game to warrant the forming of a league of four teams. A final meeting for choosing the teams will be held at Zeck & Mann's on the 21st, after which time they expect to play regularly each Thursday at Bessinger's.

ASTORIA FLORISTS' BOWLING CLUB.

The Astoria (N. Y.) Florists' Bowling Club, of which W. H. Siebrecht is president, Philip Einsman secretary and treasurer, and John Donaldson captain, have begun a regular series of games Tuesday evenings. The bowlers and scores on the evening of September 14, were as follows:

Lorenz	134	125	150
Miesem	146	142	125
Einsman	163	98	125
Smith	158	139	113
W. H. Siebrecht	132	154	148
Alford	156	123	101
W. H. Siebrecht, Jr.	130	126	128
Doerhofer	114	110	121
Donaldson	120	169	141
Kessler	155	141	124
H. Siebrecht	101	128	108
Jacobsen	100	113	106
Shaw	108	118	111

COMING FLOWER SHOW AT ROCHESTER.

November 2, 3 and 4 are the dates for the first annual Flower Show of the Commercial Florists' Association of Rochester, N. Y. It will be held at Convention Hall and many novel features are contemplated. Charles H. Vick, 187 Main street East, Rochester, is General Director, and H. B. Stringer, 180 Meigs street, is Secretary.

A PROGRESSIVE BOSTON ESTABLISHMENT.



The accompanying views show exterior and interior of a new house just added to the range of Sidney Hoffman, opposite the entrance to Mount Auburn

Two other houses, one 24x100 and one 16x100, are devoted to Lorraine begonias and cyclamens. The output of these houses is used in Mr. Hoffman's



Cemetery at Cambridge. The house is iron frame, 36x212, and has been planted with carnations. The office building is 32x34, with basement and attic.

store on Commonwealth avenue, Boston. It is just six years since this hustling young man started business in Boston in a small way.

ST. LOUIS NOTES.

Coming Flower Show.

Preliminary arrangements for the annual flower show and pomological exhibition were perfected on Tuesday night, September 14th, at a meeting held by the executive board of the St. Louis Horticultural Society. The show will be held at the new Coliseum on November 9 to 12. F. W. Brockman, chairman of the committee, says it will be the Society's greatest effort.

Business and Personal.

Alexander Johnson's new range at Wellston is completed and the houses are being planted with roses and carnations.

Grimm & Gorley have opened a branch store at 702 Washington avenue. The place will be known as the American Beauty Store, with Walter Retzer in charge.

Visitors: G. M. Rayburn, Chicago; J. J. Karins of Dreer's, Philadelphia; H. Rackham, Denver, Colo.; J. D. Carmody, Evansville, Ind.; E. W. Guy, Belleville, J. F. Ammann, Edwardsville, Ill.

Walter Sanders, son of C. C. Sanders, was married on Thursday, September 9th, to Miss Eva Harper. No one in the trade has more friends than Walter and they are congratulating him on all sides.

VISITORS IN BOSTON.

H. L. Sawyer, Jacksonville, Fla.; E. H. Chamberlain, New Bedford, Mass.

Lieut.-Col. Prain, director of Kew Garden, London, England; J. Backhouse, York, England.

J. Featherstone, Superintendent H. J. Heinz estate and Wm. Allen, superintendent of Homewood Cemetery, Pittsburgh, Pa.; Prof. Wm. Trelease, Missouri Botanical Garden, St. Louis.

INDIANAPOLIS PERSONALS.

Mr. and Mrs. Anthony Wiegand returned September 18 from a three and one-half months' trip in Europe.

Visitors: E. G. Hill, Richmond; Walter Coles, Kokomo; Peter Weiland, New Castle; E. J. Brown, Shelbyville; E. T. Barnes, Spencer; Fred Dorner, Jr., Lafayette; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.

PERSONAL.

C. W. Reimers, of Onarga, Ill., is now located at Wellsville, N. Y.

Ed. Spielman, of Buffalo, has gone to Rochester, N. Y., and taken a position with H. E. Wilson.

Herman J. Miller of Terryville has accepted a position with W. W. Thomson, florist, of West Hartford, Conn.

The engagement is announced of W. W. Clark and Miss E. F. Vose, both connected with Schlegel & Fottler Co., Boston.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

BOSTON AND MAINE R. R. GARDEN PRIZES.

The award of prizes to Boston and Maine Railroad station agents for flower displays at stations during the summer has been announced from the superintendent's office. The examining committee was R. W. Wallace and J. F. Judkins. The first prize, \$50, goes to the station at Brattle, Mass., and the second, \$40, to the Hill Crossing and Riverview stations, both in Massachusetts. Marlboro, Mass., Merimack, N. H., Pike, N. H., and Webb, N. H., came in for the third, \$25. Other stations named as winners are: Devereux, Mass.; Dummerston, Vt.; Hillsboro, N. H.; Lake Street, Mass.; Lebanon, N. H.; Meadowview, Mass.; Nashua, Main street, N. H.; Prescott, Mass.; Sanbornville, N. H., and Waltham Highlands, Mass. Prizes of \$20, \$15, \$10 and \$5 were also given.

CRATING FLOWER POTS.

Our Rochester (N. Y.) correspondent sends us the following pertinent communication:

"My attention has been drawn to the unwieldy and insecure crates, in which some potteries send their goods, and I must say that one firm here ought to take action to recover for pots smashed. Very few greenhouse plants are fitted with steam cranes, and nothing less could be used to lift some of the crates seen. If potteries, advertising in HORTICULTURE, were to guarantee secure and handleable crates, their orders would increase."

We hope our wise flower-pot manufacturers will take due notice.

Silver cups, sixty dollars in cash and several diplomas, were divided among the winners of the Winter Hill (Mass.) Improvement Association's third annual garden contest on September 17.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

PULLMAN'S INSECT and WORM DESTROYER

Kills Worms and Ants in ground.
Kills Cut Worms.
Kills all kinds of Insects.
Acts as Fertilizer to ground.
This powder is put up in packages from 1 to 100 lbs.
Full directions and testimonials in each package.

PRICE	
1 lb.....	20c
5 lbs.....	35c
10 lbs.....	65c
25 lbs.....	\$1.50
50 lbs.....	2.75
100 lbs.....	5.00

NICOTINE

Kills Thrips, Red Spider, Black Fly, Aphs, Green Fly and other greenhouse pests.

This solution is put up in
½ pt. cans...at 25c 1 pt. cans...at \$ 1.40
¼ pt. cans...at 50c 1 qt. cans...at 2.75
½ pt. cans...at 90c ½ gal. cans...at 5.00
5 gal. ca s.....at 40.00

Salesmen Wanted Everywhere

—Made By—

The Philadelphia Insecticide Co.
324 Queen Lane, Germantown, Phila., Pa.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
301-305 Franklin St., Boston

SPRAYED

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE
A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —

Pulverized Manure Co.
31 Union Stock Yards CHICAGO

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stump & Walter Co.
50 Barclay St., New York.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

A QUESTION OF HEATING.

Editor of HORTICULTURE.

Dear Sir:—Please tell me how much two-inch pipe would be required for a greenhouse 12 ft. x 100 ft. and what size water heater, and oblige. D. K.

In reply to your inquiry of the 17th we would say the question is very vague, but, however, we will try to answer it.

We will presume that there is 1800 square feet of glass to be heated at a

temperature of sixty degrees zero weather. We would advise putting in ten runs of two-inch pipe and a boiler of 1000 square feet of radiation. This will be found to be an economical system in the use of fuel.

Yours respectfully,
WILLIAM W. CASTLE CO.

GREENHOUSES BUILDING OR CONTEMPLATED.

Delaware, O.—P. Groom, additions.
Buffalo, N. Y.—John Speiss, house 9 x 100.

De Kalb, Ill.—J. L. Johnson, house 21 x 119.

Charlevoix, Mich.—B. B. Blair, house 25 x 103.

St. Paul, Minn.—State University, additions.

Greenfield, Mass.—A. E. Lawrence, one house.

Canandaigua, N. Y.—Edward Sick, one house.

Sterling, Ill.—Sterling Floral Co., house 24 x 120.

Cheyenne, Wyo.—C. F. Swayger, range of houses.

Arlington, N. J.—Wm. Tricker, range of houses.

W. Toledo, O.—Harry Heint, four carnation houses.

So. Waterbury, Conn.—Wm. F. Beerbaum, house 30x60.

Wellston, Mo.—Alex. Johnson, six houses, each 18x120.

St. Louis, Mo.—Rudolph Gross, two houses, each 32 x 130.

Paris, Tex.—J. W. Goree, three houses, each 22 x 150.

Wappinger's Falls, N. Y.—I. T. N. Harcourt, house, 25x150.

Mansfield, Mass.—Bert Hartwell, cucumber house, 225 feet.

Rochester, N. Y.—Geo. Crooke & Co., carnation house 15½ x 65.

Oskaloosa, Ia.—Theo. A. Greene, North 9th street, two houses.

Sherman, Tex.—Hannah & Son, one carnation house 28 x 100, chrysanthemum house, 22 x 64, lean-to, 7 x 64.

ROCHESTER FLOWER TRADE.

Trade is gradually turning from summer stagnation to fall activity, although nobody reports rushing. Outsiders have had a good lesson this year, and the many who grew asters as a side line will probably rather use their ground as tennis lawn than try to cut prices for legitimate growers next year. Outdoor cut flowers are plentiful, but the demand is getting better. Dutch bulbs are arriving in good condition and some consignments received are splendid for size and quality.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Geo. B. Doane & Son Co.

18 Midway St., Boston
Telephone, Main 4418

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
112 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly
See the Point at
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate	
1500 9 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16	
1500 2½ " " " 5.25	120 7 " " " 4.20	
1500 2½ " " " 6.00	60 8 " " " 3.00	
1000 3 " " " 5.00	HAND MADE	
800 3½ " " " 5.80	48 9 in. pots in crate \$3.60	
500 4 " " " 4.50	48 10 " " " 4.80	
456 4½ " " " 5.24	24 11 " " " 3.60	
320 5 " " " 4.51	24 12 " " " 4.80	
210 5½ " " " 3.78	12 14 " " " 4.80	
	6 16 " " " 4.50	

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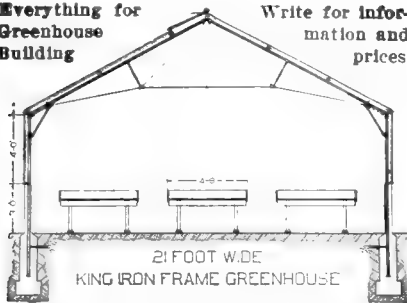
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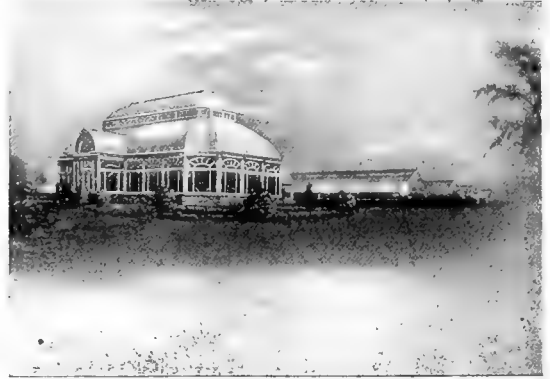
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HORTICULTURE

Vol. X.

OCTOBER 2, 1909

No. 14



TRICHOPELIA TORTILIS.



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FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

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8-in. tub, 4 plants, 42 to 48-in. high..\$ 4 ea.
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Chinese Primulas

Vilmorin's Finest.

From 2 1/2 inch pots, very strong.

\$2.50 per 100

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Notes from the Arnold Arboretum

Besides the genus *Davidia* described in the last issue there have been recently introduced from China quite a number of other genera of trees and shrubs entirely new to cultivation. Our plants of these are of course still small and only very few have flowered and fruited as yet with us, but the herbarium specimens we have here together with descriptions give us a fairly good idea what they look like and whether they might be of horticultural value. Of their hardiness, however, we know but little; this is a matter to be learned from experience.

A remarkable and handsome genus is *Emmenopterys* of which only one species, *E. Henryi*, is known. It is a tree from thirty to forty feet high with opposite broadly elliptic leaves from four to six inches long. The funnel-form yellowish white fragrant flowers are about one inch long and are disposed in large terminal clusters bearing at the outside large white bracts about two inches long and persisting till the fruits, oblong capsules, are ripe. It belongs to the Rubiaceae and its hardiness is doubtful.

Paederia foetida belongs to the same family and is a climbing shrub with opposite slender-stalked elliptic leaves from three to four inches in length; they bear in their axils loose panicles without the stalk from five to seven inches long of tubular, white or pale pink flowers about one-half inch long and followed by light brown ovoid capsules. The hardiness is doubtful.

Leptodermis oblonga is another member of the same family from North China and probably perfectly hardy here. It forms a small shrub with opposite oblong leaves not exceeding one inch in length and with slender tubular violet flowers little over one-half inch long and borne in few-flowered clusters at the end of the branchlets. The fruit is a small capsule.

Carrieria calycina, a tree attaining fifty feet in height, belongs to the Flacourtiaceae and is related to *Idesia* which it also resembles in habit and in its handsome foliage. The alternate leaves borne on long and slender stalks are ovate to oblong-ovate or sometimes obovate in outline, from four to seven inches long, crenately serrate and perfectly glabrous. The white flowers appear in few-flowered racemes at the end of the branchlets; they are about three-quarter of an inch long and may be compared in shape to those of a tubular-flowered *Clematis* save that they are shorter and broader and have five sepals. The fruit is a long-pointed slender capsule from two to three inches long. It may probably be fairly hardy with us.

Another closely related new genus is *Poliothyrsis* with only one species, *P. chinensis*, which also recalls *Idesia* in foliage and habit. It is a tree attaining thirty feet in height with alternate slender-stalked leaves ovate to ovate-oblong in outline and long-pointed, slightly crenate at the margin and from four to seven inches long. The whitish flowers are small, only about one-third of an inch in diameter, but as they are borne in large and many-flowered panicles from four to six inches long, appearing with a few leaves at the base from axillary and terminal buds toward the end of last year's branches, they are quite conspicuous particularly in combination with the handsome foliage. The fruit is a capsule about three-quarters of an inch long.

A third genus of the same family is *Xylosma*, of which several species occur in China. They are small

trees with ovate to oblong leaves from two to four inches long and crenate at the margin. The insignificant flowers are borne in small axillary clusters and followed by purplish black small berries. It is apparently of little ornamental value.

Alfred Rehder.

Rambles in the Black Hills

The conformation of this region is much like the Rockies though not on so grand a scale. Custer has an elevation of about 5500 feet. The air is cool and bracing. Here you find the Bull or ponderosa pine, and also the Black Hills spruce, which is a variety of the white spruce and much sought after for the prairies of Nebraska.

We find in the West that we must be careful where we get our trees. White spruce from Maine and New Hampshire cannot stand our dry climate. Those from northern Minnesota and Wisconsin do better. But the belt of them which swings down in the Black Hills succeed finely. I stayed two days on the ranch of J. V. Vallenthime, a German who was formerly connected with the Prussian forestry department. He collects tons of evergreen seed for our forest service and others. There will be few if any seeds this year. Only the ponderosa pine seems to be common to the Rockies and the Black Hills. The *Berberis repens* or Oregon grape is also found in both sections. This is often used for making jams and jellies.

PROBABLY A NEW IRIS

I noticed a very hardy iris which grows on the dry hills among the rocks and stones. I saw from the seed pods that they had been flowering in July. Mr. Vallenthime says the blossom is of deep clear blue, charmingly veined with other tints. It seems to belong to the Siberian family, with tufted roots instead of rhizomes. The flowers are said to be three inches across. As these grow in exposed places where the mercury touches 40 below they must be very hardy. The foliage and seed pods resemble the Siberian type. I secured both plants and seeds and sent some also to B. H. Farr of Reading, Pa., for him to test, as he is the best expert along that line in America probably. I am really in hopes something will come of it, and we can probably cross it with other sorts and so add to our great iris collection. By the way a manual on the iris is now in preparation. This was much needed as there was no work at reasonable price within the reach of common people.

Mr. Vallenthime has about two hundred acres, fifty of which is fine fertile valley land. He now proposes to raise millions of evergreens, mostly spruce for which there is a great call and it is impossible to supply the demand. His home is in the valley where you hear the soothing lullaby of a stream of purest water which he can use for irrigation if need be. The charming valley is hemmed in by hills covered with evergreens and it is a quiet and charming place and a very congenial home for raising young conifers.

York, Neb.

C. S. Hammon

New Chinese Vines and Their Uses

A race of trailing plants is being introduced to British gardens by Messrs. J. Veitch & Sons, under the general name of *Vitis*, that are destined to become very valuable decoratively in the garden. Mostly they are the discoveries of Mr. Wilson in Western China and the borders of Thibet; and being natives of the mountainous regions of those parts of the globe, they are perfectly hardy in all temperate countries of both hemispheres. At the Coombewood nurseries of Messrs. Veitch they have been during the past six years without any protection successfully cultivated in the open air. Similarly with many other plants of a hardy nature, they are amenable to forcing of a gentle kind when grown in pots, thus extending the period during which their peculiar beauty of leaf can be enjoyed. They are plants of easy cultivation, well adapted to covering walls, pillars, rafters and principals in cool greenhouses, for filling hanging baskets and amphorae, and for uses as edgings to plant stages, groups of other plants, either under glass or out of doors. They form capital ornaments in the flower garden when grown as standards tied to poles, like pillar roses, or for forming garlands and suspending from chains, or as arches above beds filled with flowering plants, and several other purposes that will occur to the intelligent gardener. As hanging screens to porches with open arches, similarly to the *Ampelopsis quinquefolia* and *A. Veitchii*, they will be admirable substitutes for these species.

Vitis megalophylla is a remarkable species with bipinnate leaves 2-3 feet across, resembling individually those of *Koelreuteria paniculata*, glabrous in every part, dark green above, and pale green beneath. The plant makes growths of 8-10 feet in a season. *V. leeoides* is a distinct species having leaves resembling those of the genus *Leea* consisting of five ovate leaflets of a glossy green on the upper surface and claret colored beneath. It is also glabrous in all parts. The edges of the leaflets are serrate with an acuminate apex, and differ in form and contour from all other species. *V. Henryi* is a very ornamental vine having digitate leaves consisting of five lanceolate leaflets with serrate edges. The ground color is a dark velvety green, whilst the midrib and principal veins are silvery white. This variegation is more pronounced in autumn when the ground color becomes red, the midrib and veins remaining white. *V. armata* possesses dark green leaves in summer, changing to various bright reddish tints in autumn. *V. armata* var. *Veitchii* is a strong climber and the most decorative vine as yet distributed. It may be grown successfully in any situation. The tint of the leaves in the autumn is a rich crimson lake, and in the summer it is a shining bronzy green. *V. flexuosa* var. *Wilsonii* is a distinct form of the species, and highly ornamental. The neat foliage is of a deep bronzy tint with a metallic lustre, and the under surface of the young leaves is of a bright purple color. *V. repens* is another hardy ornamental vine, of vigorous growth and self-clinging, therefore makes a first-class wall plant. The leaves when young are of a red-brown tint on the upper surface and claret colored beneath. The older leaves are about 6 inches in length, slightly trilobed, deep green

with a peculiar velvety appearance. *V. Thomsonii* is a pretty species with stems and leaves of a purplish tint. The leaves consist of five leaflets, greenish purple above and bright claret beneath, changing in autumn to purplish red. The growths being slender, make the plant well adapted for situations in which stronger growing species would be unsuitable.

Fredrick Moore

Roses Under Glass

VENTILATION

With the advent of autumn the real importance of a thorough knowledge of the art of ventilation becomes apparent. Stock which has been properly ventilated "night and day" and otherwise carefully treated during the summer, should now be in a condition fit to undergo all the vicissitudes of fall and winter culture. But stock, even of the finest character, can soon be spoiled by careless or imprudent ventilation and when plants have thus been allowed to suffer the utmost care and skill is required to bring them back to good growing condition again.

Ventilation at night requires the same careful thought and judgment as is bestowed upon it during the day. It is a pitiful fact that some growers overlook or do not know this, and frequently the best efforts of the man in charge during the day are nullified by a few hours of misdirected work at night. If the night temperature required is 60 degrees this should be kept up at all hazards, but the proper way to do this is not to close the ventilators to exclude the cold air. The air must be kept in circulation and if this cannot be maintained without the aid of artificial heat, by all means start a fire in the boiler and supply the heat.

The practice of closing the ventilators and withholding heat is very conducive to fungous diseases and cannot but result in weakening the growth of the plants and making them susceptible to mildew and all the other troubles the rose is heir to.

INSECTS

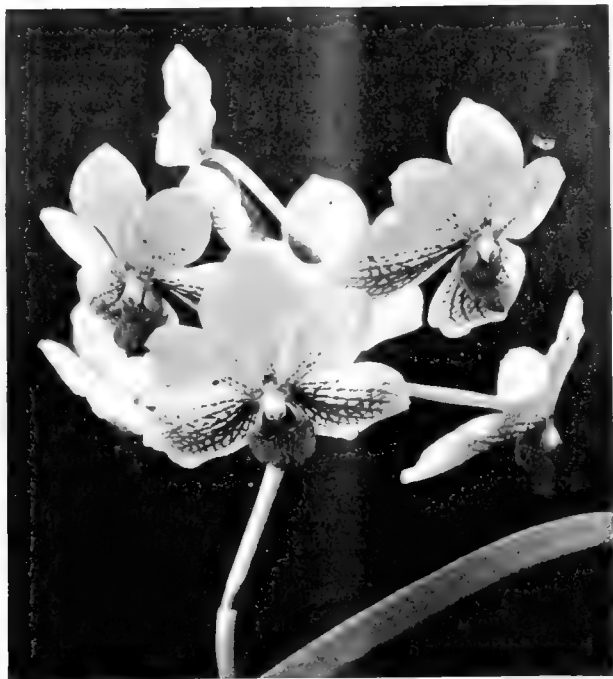
Red-spider should not be allowed to make headway as it is one of the most insidious pests we have to contend with during the winter. Syringe thoroughly when the weather is favorable and give particular attention to those plants situated near to the pipes where the air is dry and warm, as there is where you are likely to have the most trouble.

The green-fly is now becoming troublesome and the houses should be fumigated regularly to keep them in check. Tobacco stems or tobacco extracts are usually effective for this purpose and can be obtained from any of the firms who advertise in these columns.

Advantage should be taken of the cold nights to paint the steam pipes with sulphur. If this is done, and the ventilation is properly attended to, there will be little trouble from mildew.

J. E. Simpson

Three Good Orchids

*Vanda Sanderiana.*

VANDA SANDERIANA

Vanda Sanderiana is no doubt one of the most beautiful orchids known, but owing to the high prices generally asked for imported plants it is still quite rare in collections and it certainly would not be a profitable plant for the commercial man to grow either as a flowering plant or for cut flowers. However, it is possible that plants could be raised from seeds and distributed amongst the different collections at a price within reach of all. Of course it would require a good deal of patience until the plants would be of flowering size, but the final reward would pay for all the trouble taken. Under ordinary circumstances plants ought to be big enough to flower in five to six years and perhaps sooner as orchids raised from seed grow away much faster after the first year or two than imported plants.

The flowers of this lovely *Vanda* measure about four inches across, the dorsal sepal and petals are pink, the two lower petals are pale nankeen outside, yellowish inside, veined and reticulated with dull crimson and bordered with the same color as the dorsal sepal and petals, and the lip is of a reddish-purple suffused with dull green at the base and of a bright chocolate purple toward the tip.

Being a native of Mindanao, Philippine Islands, it requires stove temperature to grow it well; broken potsherds covered with living sphagnum moss is all the compost required. A light shading during the hot summer months will keep the leaves from getting yellow, but too dense a shade will mean fewer flowers. Keep moderately dry in winter, else the roots are very apt to rot.

The photograph represents only a small spray. A fine specimen plant which carried 127 flowers was figured in the *Orchid Review*, Vol. IV; it must have been a beautiful sight, and if the plant is still alive it ought, by this time, to beat anything in existence in this line.

*Dendrobium formosum.*

TRICHOPELIA TORTILIS.

The subject of our cover illustration is a pretty little summer flowering orchid, native of Mexico. The large, solitary flowers have the sepals and petals spirally twisted, yellowish green with brownish blotches along the middle part: the lip pure white outside, the throat blotched within with yellow and rose. It is a very neat little plant, growing only about six inches high and gives a good deal of satisfaction for the small amount of room it takes up. Here it grows well suspended from the roof in a partly shady situation in the cattleya house.

DENDROBIUM FORMOSUM

Dendrobium formosum is a fine fall-flowering *Dendrobe* of the nigro-hirsute section. Its beautiful white flowers measure from 4 to 5 inches across and are very fragrant, reminding one of the odor of water lilies. For the commercial man it is one of the best paying orchids to grow for it flowers at a season when other white orchids are scarce and therefore a good market for them is easily found. New imported plants can be bought at a reasonable figure and if taken care of will well pay for themselves the first season. They should be watered very sparingly during the winter months, but in summer, after the young growths are well rooted until the flowers are open, plenty of water should be given and an occasional dose of weak liquid manure. They are best grown in full sun all the year with plenty of fresh air at all times. They do not require as much heat as other *Dendrobiums*; in winter from 50 to 55 degrees at night with a rise of 5 to 10 degrees through the day will be about right; in summer as near 60 degrees at night and 65 degrees through the day will suit them well. When potting use small pots and just a little osmunda fibre on top of the crocks.

Naugatuck, Conn.

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the veteran auctioneer, never faced a more aristocratic audience. Vanda Sanderiana, the beautiful orchid illustrated in this issue, reached the highest price of the sale, H. A. Siebrecht paying \$900 for the plant which had originally cost Mrs. Morgan not far from \$2,000. Mr. Siebrecht had, as competing bidders, Louis Menand, Isaac Buchanan, William Court representing Veitch & Son, and John Bergman representing Sander & Co. Charles J. Osborn of Mamaroneck was said to be the party Mr. Siebrecht represented. There were other sensational sales recorded; *Cypripedium Morganianum* went to Veitch for \$750 and Vanda Lowii to the late W. S. Kimball for \$400. *Cattleya labiata*, now the great stand-by of the commercial florist, was a rare bird twenty-four years ago. G. W. McKenzie paid \$160 for a *C. labiata* with eight bulbs; Veitch paid \$90 for a *labiata* and \$200 for a *Cattleya Skinneri alba*.

Little did the orchid enthusiasts of that time think that within a couple of decades there would be tens of thousands of square feet of glass devoted to *Cattleya labiata*, *C. Mossiae*, *C. Trianae* and other rich and beautiful orchids for the every day use of the commercial florist. A few years later F. Sander visited this country and took occasion to make a prediction regarding the use of orchids in cut flower work which has been fully verified and there is every prospect that for many years to come the growing and the sale of orchids for such use will continue to increase. The scarcity of this class of flowers at certain periods will undoubtedly be eliminated in time through the cultural skill and ingenuity of our growers. There are many species not as yet grown for commercial purposes that will in time find favor. For the famine season of early fall more might be grown to advantage of the sorts which are responsive at that time of year such as *Cattleyas* *Bowringiana*, *Gaskelliana* and *Eldorado*, *Odontoglossum grande*, *Vanda cœrulea*, *Dendrobium formosum*, several of the *oncidiums*, etc., and we have no doubt the florist trade would absorb them. The irregularity of the supply and the disappointment of being unable to procure them sometimes when most needed has been the main damper upon the orchid's more general use by florists.

The twentieth century is conspicuous for many steps forward. Science and sociology have gone hand in hand and the business world has done its best to keep pace. One of the many ameliorating conditions brought about has been shorter hours for the workers. For many a day the florist, both wholesale and retail, has had no hours. Now all this is changing. In most of our big cities, the wholesaler at least, gets through early in the afternoon, and is in good shape to hustle by daylight of the next morning. Conservative Philadelphia is a laggard in this humane field; but at last comes the news from there, that the time-honored 8 P. M. closing hour of the commission houses has had its death knell sounded. One big house there (the Pennock-Meehan Co.) has had the courage to face the issue and announces that from now on their store will close at 6 P. M. the year round (holidays and such special occasions excepted). They may lose some trade at first, but eventually they will gain and get full credit for progressiveness and an aptitude to conform to the spirit of the age. We should not be surprised to see the idea of earlier closing gain favor with the retail dealers also. Once the public get accustomed to it they will accept the situation as they have in other lines of retail trade where a similar reform has been put in operation within a few years.

A memorable occasion

Just twenty-four years ago, September 30, 1884, an event of all-absorbing importance in the orchid world took place, for then the world-renowned collection made by the late Mrs. Mary J. Morgan was put on sale in New York. The buyers came from everywhere in this country and even from England. William Elliott,

ABOUT CONVENTION RATES.

EDITOR HORTICULTURE:

Dear Sir,—My attention has been called to an editorial in your paper regarding reduced rates for the convention and criticising by implication the undersigned for failure to get concessions for the S. A. F. convention, in view of the fact that the National Nut Growers' Association, which meets, I assume, in the territory of the South-eastern Passenger Association, was able to get special concessions.

It may not be known to all of your readers that the United States is divided up, one may say, into districts, so far as the railroad passenger traffic is concerned, each one presided over by a special association. Both Cincinnati and Niagara Falls are in the territory of the Central Passenger Association; Poulan, Ga., is in one of the Southern associations.

The method of obtaining a reduced rate is to first apply to the association controlling the territory in which the meeting is held and then to apply to all other traffic associations. The association in whose territory the meeting is held acts first and the other associations generally follow the lead of the one controlling the special territory affected. The Central Passenger Association refused, both last year and this year, to grant any concessions except on a requirement of an attendance of one thousand, and this year the other associations refused to make any rate for that reason. It is evident that the Southern Association in the case of the Nut Growers' meeting made a rate and the other two associations made the same rate, although it does not appear from the article in your paper that the Central Association has joined in the agreement or made any special rates.

If your article is meant as a criticism of the arbitrary actions of the various passenger associations, the writer has nothing but approval to express. If, however, it is intended as a criticism of the present officers of the S. A. F., the writer must most emphatically protest. Yours truly,

W. N. RUDD, Secretary.

The editorial in question was not inspired by a desire to criticise the officers of the S. A. F. but was written in the hope that it might help towards creating an agitation which might culminate in a sentiment among the S. A. F. members, aggressive enough to follow up the "arbitrary actions of the various passenger associations" and to insist that the S. A. F. gets at least as much consideration as any other organization of equal size and importance. The facts of the division of territory among the various passenger associations are as stated by Secretary Rudd and, we think, are generally understood, as they have been published annually in S. A. F. programs and in the trade papers for many years. The experience of the writer does not conform to Mr. Rudd's assertion that "the other associations generally follow the lead of the one controlling the special territory affected." On the contrary, they very often refuse and the further removed they are from the convention location the more reluctant they are to cooperate with the initial passenger

committee which, for obvious reasons, is the one most likely to be liberally disposed. Our understanding of the situation in the case of the Nut Growers is that the Central Passenger Association has agreed to a fare of one and three-fifths on the certificate plan in its territory for the round trip for those wishing to attend the Georgia meeting from points within its jurisdiction. If we are correct—and we have the printed statement of the secretary of the Nut Growers' Association to this effect—then it does seem that the discrimination in the case of the S. A. F. needs some other explanation than the one accepted by our Secretary Rudd. Not that any explanation is of any value now except possibly as a guide and basis on which to begin the campaign for a favorable rate next year. The experience of the writer in dealing with the chairmen of the various passenger committees for many years has shown these gentlemen to have very thick hides, due no doubt to the constant appeals from organizations of every stripe which they have to withstand, so it is well to begin early and watch every trick.

POLYGONUM LANIGERUM.

Plants having fine, large, grey foliage are rarities in the garden; at the same time they have their uses, contrasting as they do with the green and colored foliage of numerous decorative plants, sub-tropical and others; as for example with wigandias, cannas, musas, aralias, etc., and with such flowering plants as *Dahlia imperialis* and the florists' varieties, both single and double flowered, and several other species employed in sub-tropical groups.

The plant is not particular as to soil, but it needs a hot and sheltered position, and much moisture in warm weather; and the tall stems to be securely fastened to sufficiently strong stakes, in order to prevent wind waving, and these should be so arranged as to be concealed under the leaves. The pretty, tailed and waved leaves are narrow and run to a fine point, reaching a length of nearly two feet by a breadth of three-quarters inches. The flowers are terminal on the shoots, are pale pink, and only visible at close quarters. The plant should be left to its fate at the end of the summer and a fresh stock raised from seeds in early spring.

F. M.

SCARCITY OF AZALEAS AND PALMS.

We learn from several sources that the cold wet summer in Belgium has prevented azaleas from making their usual growth and for that reason plants will not be so liberal in size or so well budded as in former seasons. Deliveries now arriving bear out these statements.

Palms are as scarce as ever, principally owing to the large demand from Germany, Russia, England and France. Azaleas are up in price and will be higher by next fall. Dresden growers have taken over 500,000 more plants than usual from Ghent this fall. Araucarias are plentiful.

BY "WIRELESS" FROM "THE HEART OF THE COMMON-WEALTH."

H. F. A. Lange, of Worcester, Mass., who has been in rather poor health for some time past, is feeling much better of late, which will be pleasing news to a host of friends throughout New England and elsewhere. Mr. Lange has carried on the florist business in Worcester for 41 years and at his greenhouses may be found, now as always heretofore, everything worth trying among the new introductions in florists' material. Mr. Lange's two sons, Albert H. and Carl C., are in charge of the greenhouses and the store, respectively. It is especially gratifying to find *La Detroit* among the roses most highly prized here. Carl Lange pronounces it the best of all the summer roses, being a splendid bloomer with long stems, a good keeper in the warm weather and always popular. Suburban and country florists who do business all the year round should give *Detroit* a good space in their rose houses. Another rose that is prized here is *Mrs. Jardine*, the blooms of which are now beginning to come full and bright and the delicious fragrance of this rose wins for it every time. President Carnot and Kaiserin are indispensable for the summer trade. *Chrysanthemum* *October Frost* is now coming in with excellent flowers and both this variety and *Golden Glow* are in short supply for the daily demand.

Albert B. Knowlton, of North Grafton, is exclusively a carnation grower and has a range of considerable extent. It is a question if there is another place of equal size in which not a single vacancy or dead or sickly plant can be found. We heard a carnation grower of high repute recently referring with much pride to the fact that he had not lost an average of over half a dozen plants per house this season. Whatever may be the reason, it will be agreed that Mr. Knowlton's experience is very unusual. The varieties most largely grown are *Fair Maid*, *Boston Market*, *Winsor*, *Beacon*, *Lawson* and *White Perfection*. North Grafton is a suburb of Worcester, six miles out, and is in a very fertile region.

William Gardner, whose son has been caring for his place at Westboro, Mass., while he was running for the mortgagee the establishment formerly belonging to Coolidge Bros. at South Sudbury, has given up the latter and will give all his time to the Westboro place when he has erected an additional carnation house this fall.

Some of the aster growers in Central Massachusetts have adopted the plan of growing asters under cloth. This protects them against bad weather and at the present time when rain and fog have practically ruined the exposed aster crop these growers are able to market perfect blooms which, in the scarcity of salable flowers, bring a good price. Why shouldn't this method be more generally followed?

NEWS OF THE CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

The annual dahlia exhibition of this society was held at Unity Hall, in the capital city, Hartford, Sep. 23-24; and, despite unfavorable weather on both days, which diminished the attendance, the consensus of opinion is that it was the largest and best show of dahlias ever seen hereabouts.

The stage in the hall was artistically arranged with palms and palmettos from the greenhouses of James J. Goodwin; and the walls were attractively covered with asparagus, eulalias and vari-colored grasses, interspersed with asters on the window sills. On the main floor, on long tables, were arranged, in vases and bottles, the various classes of dahlias, surpassing in form, color and richness, anything ever shown around here before. Besides the immense profusion of dahlias numerous other cut flowers were present, for exhibition only, lending an additional charm to the already delightful display. Among these latter were Crego asters, shown by Magee Pratt; helianthus, by Mrs. J. M. Adams; tea roses, phlox, gaillardia, coreopsis, desmodium and digitalis, by the Holcomb Street Nurseries, who also had a fine display of evergreens outside the front door; salpiglossis, by D. W. Mix, of Bristol; Japanese asters, by John Gerard, of New Britain; roses, by Neil Nelson; gladioli, by John H. Holcombe of New Haven, and by L. H. Robertson; anemones, by President John F. Huss; azaleas, by Mrs. W. Seliger ("Garden Notes"). Spear & McManus, and John Coombs, local florists, also made tasteful displays of cut flowers.

Peter Zuger, florist of the city parks of Hartford, showed 125 varieties of dahlias, not for competition, but received a special award, as did also George W. Smith, of Melrose, for a handsome exhibit of 18 varieties of fruit.

Among the largest exhibitors of dahlias, in the professional class, were President Huss; H. F. Burt, of Taunton, Mass., and J. H. Holcombe, all of whom received numerous awards in the various classes. Others in the professional class obtaining prizes were Neil Nelson; David Herbert & Son, of Atco, N. J.; W. W. Hunt; W. S. Mason, of Farmington, and James P. Ralph, of New Britain.

In the amateur classes, James M. Adams received first premium for the best collection, and Mrs. Adams took the first prize for the best floral piece of dahlias. A. Righenzi was awarded several premiums, including the silver medal offered by Stumpp & Walter, of New York city, for the best collection of cactus dahlias shown by an amateur. Others taking honors in the amateur class were C. J. Barbour, L. H. Robertson, C. A. Helfricht. The following special awards were also made: Diploma, E. F. Atwood, for best collection of dahlias not yet disseminated; honorable mention, Neil Nelson, for vases of roses; certificate of merit, James W. Scott, for collection of evergreens; vote of thanks, to John Gerard, for collection of asters.

The judges were A. H. Wingett and F. Heereman, both of Lenox, Mass.,

whose work was performed with efficiency and impartiality.

We are now looking forward to our chrysanthemum exhibition, which will take place in Hartford on Nov. 4-5.

GEORGE W. SMITH,
Secretary.

Melrose, Conn.

AMERICAN CARNATION SOCIETY.

We are now engaged in making up the premium list for the Carnation Exhibition, to be held at Pittsburg, Pa., January 26-27, 1910, in connection with the 19th annual convention of our society, and we are now taking advertising matter for this list. If you have ever tried this list as an advertising medium, you will know that it is one of the very best. If you have never tried it, we urge you to give it a trial this year. Every copy will be put into the hands of some live up-to-date grower, or dealer, who buys of any good article brought to his notice.

The proceeds from these "ads" are used to defray the expenses incidental to this convention, and when you consider the great good these exhibitions are doing for the trade, you will see that we give double value for the cost of the ad. You get the advertising, and then we spend the money on improving your trade. There is no better business proposition offered than this. The new list will be similar in size and general make-up to previous lists. Kindly send us copy as early as possible to insure good position.

Special premiums are also solicited for this exhibition, which will, without any doubt, be the best our society has ever held. State full particulars.

Pittsburg is centrally located, and you are urged to arrange to be present and bring a new member.

The dues are \$2.00 annually, with an additional entrance fee of \$1.00 for new members.

ALBERT M. HERR, President,
A. F. J. BAUR, Secretary.

Grimm & Gorley, St. Louis, Mo., register new carnation, Vincent's Pink—Guardian Angel x Enchantress; color Bridesmaid pink; size, 3 to 3 1-2 in. Compact and vigorous grower. No surplus grass. Five years' trial proven satisfactory.

A. F. J. BAUR,
Secretary.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registry of Berberis Thunbergii, Var. Silver Beauty.

Mr. M. J. Van Leeuwen advises that this variety originated in 1905 instead of 1908 as published, a mistake having been made by him in writing the date in his application.

W. N. RUDD, Sec'y.

BUFFALO FLORISTS' CLUB.

The next regular meeting of this club will be held on Tuesday, October 5th. A good attendance is looked for on account of the paper which will be read by W. A. Adams on the "Slaughter of Flowers."

MINNESOTA STATE FLORISTS' ASSOCIATION.

The September meeting of the Minnesota State Florists' Association took place on September 21 at St. Paul, President Wirth being in the chair. To induce more employees to join the association the dues were cut down to \$2.00 for the ensuing year.

Messrs. Smith, Dysinger and Swanson were appointed a committee to draw resolutions on the death of Governor Johnson.

An invitation from the State Horticultural Society to take part on their program at the annual meeting in December was accepted. The executive committee will decide the best way of participating; probably some papers of general interest will be read, and possibly some good house plants will be exhibited.

The executive committee is getting busy in forming the details for the fall flower show in 1910, to be held in the city which furnishes the largest guarantee fund.

Mr. Smith, Lakewood Cemetery, offered to read a paper at the next meeting on "The Employes' View of the Employer." A. Swanson will take the other side, "The Employers' View of the Employee." It is the intention of the executive committee to have a detail of police there in case the debate should get too interesting.

NEWPORT HORTICULTURAL SOCIETY.

At a regular and well attended meeting of this society held on the evening of Sept. 28, a large volume of business was transacted in connection with the recent exhibition and all being done in harmony with the report of the judges and the secretary. The silver cup offered by Rickards Bros. of New York, for the best table decoration was then presented to A. J. Dorward, the winner, Colonel A. K. McMahon making the presentation speech, which was of some length and in keeping with his reputation as a natural orator. Alex. MacLellan had on exhibition a very attractive table of seedling single dahlias, which were examined by a committee, and one vase of a crimson variety with yellow centre was awarded a first class certificate of merit. This variety was pronounced to be an improvement on the well known Newport Beauty, and is named "Kype." The business part of the meeting was followed by a discussion on how to improve the premium schedule for another year and many good suggestions were brought out.

AMERICAN ROSE SOCIETY.

The executive committee of the American Rose Society will meet at the office of Messrs. Traendly & Schenck, 44 West 28th street, New York City, on Wednesday afternoon, October 6th, at 3 o'clock, to take up matters of some importance relative to the preparation for the coming exhibition to be held in the American Museum of Natural History, New York City.

BENJ. HAMMOND, Sec'y.

ROYAL HORTICULTURAL SOCIETY.

The hall at Vincent Square, Westminster, was fairly well filled on August 31 with flowers in season such as shrubby phloxes, kniphofia, montbretias, Rhododendron Javanico-Jasminae-florum hybrids, including the variety *Clorinda*, new, and of a pink color; miscellaneous hardy herbaceous perennials, gladiolus, clematis, and from Messrs. J. Veitch & Sons a large collection of plants yet new to British gardens, introductions from China and Manchuria through Mr. Wilson; and several exhibits of miscellaneous species of orchids, many of which were of interest for their novelty and the beauty of their flowers, or some peculiarity of their shape or coloring.

Charlesworth & Co. were the exhibitors of the largest number of orchids, if not of the most novelties; and some beautiful species and varieties were remarked, of which I specify a few. *Laelio-cattleya Elva* is distinguished by a rich purple lip and a throat of a golden yellow decorated with purple lines; *L.-c. Dominiana*, a grand hybrid raised by the late John Dominy from a cross between *Cattleya Dowiana* and a *Laelia*, probably *L. elegans*; *Cattleya Mrs. Pitt*, *C. Venus*, *C. Rhoda*, a flower having a rich purple lip on which are lines of bright yellow, the sepals and petals being green shaded with purple.

Ed. V. Low showed *Cattleya Gaskelliana alba*, a Venezuela species, as are all *Gaskelliana*, which originated with the late B. S. Williams of Holloway. The flower has pure white sepals and petals 6 inches in width with but a slight yellow stain in the throat; and the rare *Bulbophyllum grandiflorum*. R. G. Thwaites received an Award of Merit for *Sophracattleya Blackii*, a hybrid between *Sophranitis grandiflora* and *Cattleya Hardyana*. The flower is of a rich crimson tint, having a yellow stain at the base of the lip, and is about 3 inches in width. This exhibitor showed another *Sophracattleya* in *S.-c. Warnamiense atro-purpurea*, a cross between *Sophranitis grandiflora* and *Cattleya amethystoglossa*; the flower is purplish crimson and the segments are less in width than the foregoing variety. He showed likewise plants of *Odontodia Thwaitesii*, of deep purple tint. Sir Trevor Lawrence showed a plant of *Zygopetalum Lindenii*, a beautiful species allied to *Warszewiczella velata*, but it has flowers larger in all their parts, and the color is white with a few lines of purple at the base of the lip—a very charming species. Sir Trevor received a Botanical Certificate for *Listrostachys (Angraecum) forcipata*, a plant with minute tubular semi-transparent white flowers. The plant has creeping rhizomes, and is of very dwarf habit.

Lieut.-Col. G. L. Holford was awarded a Silver Flora Medal for a group of orchids, and Award of Merit for *Laelio-cattleya Oriole*, a brilliantly colored flower of moderate size. He had a very beautiful *Brassacattleya Digbyana Warnerii*, a name that sufficiently indicates the parents of the hybrid. H. S. Goodson, was the recipient of the Silver Flora Medal for a group of orchids, as were Messrs. Sander & Sons, St. Albans, for cattleyas and laelio-cattleyas, most of which had been previously shown at the Hall.

Stuart Low & Co., Bush Hill Park,

Enfield, were awarded a Silver Bank-sian Medal for a mixed group of cattleyas, cypripediums, odontoglossums, etc., but nothing of outstanding merit.

F. W. Moore, curator, Dublin Botanical Garden, Glasnevin, received a Botanical Certificate for *Dendrobium muricatum*, a small plant having one spike of about a dozen brown-colored flowers, of merely botanical interest.

Miscellaneous Exhibits.

Much interest was manifested in Messrs. Veitch & Sons' new introductions from eastern Asia, not many of which were, however, in bloom. I may call attention to two *Acers*, viz., *A. Davidii* and *A. griseum*; *Lonicera Maackii*; several *Buddleias*; *Pinus Armandii*, a pine having fine needles of the *Cembra* section, oblong cones, and smooth bark of a dull yellow color—in its native habitat the tree attains a height of 40 to 50 feet; *Tilia Oliveri*; *Cotoneaster reflexa*, with crimson fruits of globular shape, and the size of marbles; *Ilex Perneyi*, a dense growing holly, leaves pale green when young, and becoming darker as they age—the plant obtained a First Class Certificate from the R. H. S. in 1908; *Viburnum rhytidophyllum*, an evergreen shrub having very fine foliage, the individual leaves about 8 inches in length and 2 inches in breadth, a dark green, the under side covered with a dense dun-colored felt—the flowers are of a yellowish white tint and come in corymbs at the ends of the shoots; *Viburnum Henryi* and several new species of *Vitis* of remarkable appearance, and highly decorative were noted as being suitable for a variety of purposes in the garden.

R. Wallace & Co., exhibitors of gladiolus, showed some varieties of *Le-moine's* hardy hybrids, mostly consisting of dark blue or purple tints. They had also *G. primulinum* hybrids in red and yellow colors, having good long flower spikes with numerous flowers; a very distinct race.

FREDERICK MOORE.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Examining Committee.

President Elmer D. Smith has announced the committees to examine seedlings and sports on the dates as follows: October 2nd, 9th, 16th, 23rd and 30th, and November 6th, 13th, 20th, and 27th. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of \$2.00 should be forwarded to the secretary not later than Tuesday of the week preceding the examination or may accompany the blooms. Special attention is called to the rule requiring that sports, to receive a certificate, must pass three committees.

Boston, Mass.—E. A. Wood, Chairman; James Wheeler, Wm. Nicholson. Ship flowers to Boston Flower Market, care John Walsh.

New York.—Eugene Dailedouze, Chairman; Wm. Duckham, A. Herring-ton. Ship flowers to New York Cut Flower Co., 55 W. 26th street, care of chairman. All flowers to be on hand by 2 p. m. on day of examination.

Chicago.—J. B. Deamud, Chairman; Geo. Asmus, W. H. Kidwell. Flowers should be sent care of J. B. Deamud,

51 Wabash avenue, and should arrive by 2 p. m. on day of examination.

Philadelphia.—A. B. Cartledge, Chairman; John Westcott, W. K. Harris. Ship flowers to chairman, 1514 Chestnut street.

Cincinnati.—R. Witterstaetter, Chairman; James Allen, Henry Schwartz. Ship flowers to Jabez Elliott Flower Market, care of janitor.

NEW ENGLAND DAHLIA SOCIETY.

"Maurice Fuld, secretary of the New England Dahlia Society, in a letter to the *Globe*, says that the annual meeting of the society was not held last Friday at Horticultural hall. He adds that there is but one New England dahlia society, and that its bylaws require the annual meeting to be held in January.

The officers of the New England dahlia society, he says, are as follows: William F. Turner of New Bedford, pres.; Henry W. Kendal of Newton, vice-pres.; Maurice Fuld of Boston, sec.; N. Allen Lindsay of Marblehead, treas.; F. W. Ela of Woburn, J. P. Bodge of Fall River, W. D. Moon of Lynn, George H. Walker of North Dighton and T. H. Tyndale of Boston, ex. com."—Boston *Globe*.

CLUB AND SOCIETY NOTES.

The Berkeley County Horticultural Society are perfecting plans for a fruit exhibition and carnival at Martinsburg, W. Va., about the middle of November. Prizes to the value of \$1000 will be offered in the fruit section.

The executive committee of the New Bedford Horticultural Society has awarded the silver cup presented by Mrs. H. A. Jahn for the best exhibit in its flower show to James Garthly, gardener for the Rogers estate. This is the prize concerning which a misunderstanding developed, and which the judges declined to decide upon, because they were represented by exhibitors.

The New London County Horticultural Society dahlia show in Buckingham Memorial Hall, Norwich, Conn., on September 24 and 25 was a big event. Among the dahlia exhibitors of prominence were O. P. Chapman, Jr., John J. Kennedy, E. S. Manuel, W. W. Ives and C. A. Norcross. The table from Mrs. William Camp Lanman's estate, gardener C. T. Beasley, included some lily of the valley and magnificent roses. S. A. Gilbert showed gladioli; John Davy had a notable collection of tuberous begonias. The judges were Peter Zuger, John Malloney and Alex. MacLellan.

The annual meeting of the American Pomological Society was held at St. Catharines, Canada, September 14 to 17. Among the interesting addresses were those of Dean L. H. Bailey of Cornell; J. C. Van Lindley, Pomona, N. C., who shipped over 14,000 crates of peaches this year; and John S. Collins on "Oriental Pears and Their Hybrids." The officers were re-elected as follows: President, L. A. Goodman, Kansas City, Mo.; vice-president, T. V. Munson, Denison, Tex.; secretary, John Craig, Ithaca, N. Y.; treasurer, L. R. Taft, Agricultural College, Michigan; chairman executive committee, C. L. Watrous, Des Moines, Ia.

THE CULTURE OF LILIES.

I am particularly interested in the remarks of A., on p. 163, on the deplorable custom of the Japanese of denuding the bulbs of lilies of their roots prior to packing them for shipment to England. I have repeatedly called attention to the matter during the past 25 years. This practice appears almost universal among the lily exporters of Japan. During the past 40 years or so many consignments of *L. auratum* have been worthless, the bulbs being rotten or affected with fungus. Of the sound bulbs which are received, a large number quickly perish when placed in contact with the soil; whilst the few that flower fail to succeed in the following year. The reason of the failure is not far to seek. The lily makes but two sets of roots each year—the basal and the fibrous. The basal roots are formed when the flowers are fading, and are generally cut away with any old roots that remain. Hence, for any subsequent growth or flowering the plant is dependent upon the stem roots so abundantly produced above the bulb, and the latter usually collapses when the flower-stem is approaching its full height. This is the brief history of many thousands of lily bulbs that reach England each year, the great bulk of them failing to produce a basal root at all. Were it otherwise, there would be no difficulty whatever in establishing many kinds in large numbers. This state of things is extremely disappointing, and it is time that purchasers demanded that the bulbs be shipped with the full complement of their roots as dug from the soil. Such a proceeding would naturally do away with the existing system that obtains in Japan of moulding the bulbs in tempered clay, and, in place of the now plump-looking and rather heavy bulbs, with rootless base and fungus-affected core, we should see a less plump, fresh-looking bulb, somewhat shrivelled it may be, so far as the outer scales are concerned, but with roots intact and capable of immediate resuscitation when replanted in the soil. To what extent shrivelling would take place would largely depend on the system of packing, though, for *Liliums* generally in the dormant state, ordinary packing between thin layers of rather dry soil would suffice. In this connection, it is instructive to recall the fact that Mr. E. H. Wilson, when collecting lily bulbs in China, made a point of retaining all the root-fibres to the bulbs, and no trouble was subsequently experienced in establishing the plants. An alternative plan to importing bulbs would be the raising of seedlings on a large scale, and this, in conjunction with the raising of home-grown stocks of lilies from scales and bulbils, is well worth attempting in this country. An important point to remember in this work is that many species of lilies require to be treated not as perfectly hardy subjects, but rather as cool greenhouse plants during their two first seasons of growth. At first sight it may appear a little illogical to accord greenhouse treatment to a perfectly hardy subject, but the disappointments, failures and losses of either open-air or cold-frame treatment are known to all who have engaged in the propagation of the lily by these means. Frequently in the case of *L. auratum* and *L. speciosum* in all their forms, and, indeed, many

Have you followed the advertising running in these columns on

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It has already explained much of the merits of this wonderful insecticide discovery, which effectually destroys plant lice of every species, without the slightest injury to the tenderest flower or foliage.

If you have not, send for the new descriptive circular.

A SPRAY — 1 PART APHINE TO 40 PARTS WATER; \$2.50 PER GALLON

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MADISON, N.J.

other species of lilies that do not produce bulbiferous growths on the more exposed parts of their stems, there will be found near the base and just below the ground level a number of bulbils that will furnish useful stock. Your correspondent speaks of *L. rubellum* as a comparatively free seeder from imported bulbs, and says "seed may readily be obtained and ripened" if the blooms be pollinated. That, however, is not my experience, inasmuch as a large percentage of the bulbs do not reach the flowering stage at all. But where flowers are produced, there is no better way of increasing this delightful plant. In the note on p. 169, referring to the home-raised lilies shown in the Supplementary Illustration, the concluding sentence is as follows: "Being a stem-rooting lily, the bulbs should be planted 3 to 4 inches deep." I believe, however, that all stem-rooting lilies may be buried much more deeply than this to their advantage. It is also important, too, that these stem-rooting kinds be given a rich food supply, renewed or augmented annually at the surface.—E. H. Jenkins., in *Gardeners' Chronicle*, London, September 18, 1909.

THE LILIUM LONGIFLORUM MULTIFLORUM CROP IN JAPAN.

The crop of large-sized multiflorums is reported to be a complete failure. The bulbs when taken up were hardly any larger than when planted out, although the plants looked finer in the fields than in any season before. The growers attribute this failure to the continuous rain during the month of June.

Lilium longiflorum giganteum, which is dug later, seems to have suffered also and the crop will not be as plentiful as expected, according to cable advices received by New York importing houses.

We are pleased to learn from James Vick's Sons, Rochester, N. Y., that while they have been looking for a good trade in bulbs this fall, they are actually surprised at the large number of orders they are receiving, and that their total sales thus far surpass all previous records. This is the legitimate and logical result of winning a reputation for sending out satisfactory goods.

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CYCAS PALM

6 ft. wide, 5 ft. high, 16-in. pot and
stem, 16-in. above the soil, 36 leaves.

Price on Application.

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4 in. pots..\$25.00 per 100 6 in. pots..\$75.00 per 100
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Of placing that order of Fall Bulbs. Why not send it to a concern which buys the best imported stock regardless of cost? Our bulbs come from a grower who has furnished us good stock year after year. Not a single complaint was made to us about the quality of our regular wholesale stock last year. **Isn't that worth considering?**

MOREOVER YOU WANT TO SAVE MONEY

The new Tariff Bill established lower duties on nearly all kinds of Bulbs. We have so adjusted prices as to give you the benefit of every cent of the decrease. **Isn't that an advantage worth taking?**

Don't delay. Send your order before the most popular kinds are sold out. Mention this paper when you write.

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Seed Trade

Seed Corn.

Reports at this time about the corn crop are just a trifle conflicting, but a careful analysis of them leaves conditions much as last reported, though possibly showing a slight improvement in the grand total. Summing up the situation as nearly as it can be gauged at this writing, we should say corn will be short, but withal there will be enough to go around. Quality will not be as good as in some years, and it will not be easy to fill orders for ear corn to the satisfaction of the buyer, and only nubbins and generally imperfect ears will remain for shelling. Even in seasons when the corn crop is fine, the cream of the crop is sold on the ear by many dealers, and those buying the shelled article seldom or never get high grade seed, as a large percentage of it comes from the culls.

Seed Peas.

The anticipated scramble to cover on pea seed has commenced, but offerings are few, and if high class pedigree seed is offered, prices are quite high enough to cause a gasp from the buyer, who quite likely will consider them too high, and will lay low and wait for a break. If he waits long enough it may come, but not before March or April, and then only tag ends will be offered, and because every one will want to clean up on the high market by cutting slightly under prevailing prices. Those who want new high grade stocks must cherish no illusions as to prices. If they succeed in getting such stocks they must pay the prices demanded, and be thankful at that.

Pea Quotations.

Up to the past week no quotations had been made on spot seed peas, but within a few days the writer has seen figures from two sources prominent enough to establish the market for the general trade, and it may be no breach of confidence to mention a few of the leading items. One concern quoted Alaskas at \$5.50, Admirals at \$5.00, and Hartford Market Garden at \$5.00 for immediate acceptance. Another quoted American Wonders at \$5.50, Nott's Excelsior at \$5.00, Gems at \$4.75, First and Best at \$5.00, Thomas Laxton at \$6.00, Gradus at \$6.00, Telephone at \$5.00, Champion of England at \$4.50, Ameer at \$5.50, Duke of Albany at \$5.50, Yorkshire Hero at \$5.00, Canada Field

at \$1.60. These are staggering prices at the opening, but in sixty days they will not look so high, as there will probably be an advance on even these figures before the top is reached.

The Shortage in Vine Seeds.

Warnings of a probable shortage in vine seeds have been given several times in these columns, and while definite information is not obtainable at this writing, enough is known to confirm the fears of a short crop, and at this time it looks as if conditions would at least be as bad as last year, with much smaller reserves. This is certainly the case as regards cucumber seed, and indications are that melons are in no better condition, though it will require a week or two to get anything like exact information. Pumpkins and squashes, while far from satisfactory, are in much better shape than melons or cucumbers.

We Told You So.

Gentlemen, if you are on the short side, get to cover as quickly as possible. HORTICULTURE gave ample and timely warning of the shortage in the pea seed crop, but many doubting Thomases refused to be convinced, while ill-informed correspondents of other trade journals attempted to discredit these statements. How well-founded they were is probably pretty well understood by now. There are certain thickheads who pride themselves on their skepticism, and one is often reminded of a passage in holy writ beginning: "Seest thou a man wise in his own conceit," etc. The rest will be readily recalled, and duly appreciated. By the way, don't forget sugar corn; there will be no famine prices in all probability, but good seed will have a pronounced and definite value, and particularly eastern-grown stock. This admonition is worth repeating.

California Beans.

Barring damage by rain, the California bean crop is assured, and Limas, both bush and pole, will be a fair crop. Such varieties as Lazy Wife, Golden Cluster Wax, Kentucky Wonder, Southern Prolific, Golden Carmine, etc., are in doubt—that is, information to hand does not make it positively clear what the yields will be, though it is generally believed they will be up to average excepting Golden Cluster Wax, and exact information about that has not yet come to hand.

The Corn Pack.

The corn pack will be decidedly short, and New York state will have one of the lightest in its history. Jobbers who have been most persistent bears will wake up to the fact too late, and if the canner has an opportunity of "getting back" at the jobber, he should have no hesitation in doing so, as the course of the latter for the past two years has been one of cold-blooded selfishness, and he has not only made no effort to co-operate with the canner, but has taken merciless advantage of the latter's necessities and squeezed him to the last farthing he would bear. Yet the canner continues to delude himself with the idea that his and the jobbers' interests are identical. He tells the jobber all he knows, and then the latter proceeds to pluck him. A little co-operation would have relieved the congested condition of the canned goods market to a considerable extent. But what's the use? Its none of our funeral.

Notes.

Tomato seed will be short, but no one need worry, as barring a very few of the fancy varieties there will be no famine in tomato seed.

There is a strong probability of important changes in the personnel and management of one or two well-known seed houses within the next few months, but HORTICULTURE is not at liberty to disclose names or other details at this time.

A representative of one of the British seed houses, now on this side, is offering peas at a price, and reports the sale of a car of Alaskas to a canning concern at \$5.00 per bu. He did not state if this included duty of 40 cents per bu., or if duty was extra. In addition to Alaskas, he was offering several other varieties, but all at strong prices; still, if stocks are right they are good values.

The Henry F. Michell Co. were favored this week with a commission from the other side of the world from Capt. Jesse M. Baker, Iloilo, Panay, Philippine Islands, who writes: "Michell's seeds beat everything I have seen yet." In filling the new order for seeds and plants, Mr. Michell is modestly flattered, that a Philadelphia house should be selected in preference to the many great concerns that dot Uncle Sam's domains from the Atlantic to the Pacific.

ANOTHER SEED FARM FOR BURPEE.

A brief telegram from California to Philadelphia last week disclosed two important items of news which are of general interest to the trade. The telegram was from H. M. Earl, manager for W. Atlee Burpee & Co., the Philadelphia seedsmen, and ran:

"Have purchased Lonsdale Ranch. Lonsdale delighted. Suggest calling it Floradale."

There have been rumors of a new move of some kind in the atmosphere of the seed trade all summer, but there need no longer be any guessing about the matter, as this telegram announces an accomplished fact.

It also discloses the second interesting item of news, namely, the selection of Edwin Lonsdale to superintend the new venture. As everybody knows Mr. Lonsdale, it is almost superfluous to mention that he is a horticulturist of long experience and distinction. He was a graduate of the best kind of a gardening school—the big private es-



EDWIN LONSDALE

tates of the English nobility in his boyhood, and as a young man practiced his profession in the eastern states and in California, before finally going in to commercial rose growing and other specialties of the trade at Philadelphia. He retired from this some five years ago to take charge of the gardens, grounds and conservatories at Girard College. Messrs. Burpee are to be congratulated in being able to induce Mr. Lonsdale to again enter the field of strenuous business life. He is just the man for a seed farm where selection and improvement of seed stocks are to be a main object. His mind has always had the scientific and investigating bent and this, with long training and experience, a keen eye, and a tremendous memory, makes him the ideal for the new proposition.

While sweet peas will be a leading feature, all flowers and vegetables that reach their greatest perfection in California will be handled. To put it briefly, the policy will be, with some exceptions, the production of the enormously expensive "stock seeds" which have to be contracted out to other seed farmers in different parts of California. These "seed stocks" have to be

kept up to the utmost purity of type by extraordinary vigilance—so much so as to put them quite out of the question when compared with ordinary commercial prices which the farmer or gardener can afford to pay; but which are absolutely necessary as the antecedent of the reliable seeds a first-class house sends out.

G. C. WATSON.

A WEDDING AT CAMBRIDGE, N. Y.

The marriage of Miss Laura Josephine Rice, daughter of the well-known seedsman, Mr. Jerome B. Rice of Cambridge, N. Y., and Mr. Frederic Wallace of Fitchburg, Mass., was solemnized on September 21st in the Methodist church at Cambridge, which was beautifully decorated with palms, ferns and white asters. After the brief ceremony the bridal party and guests proceeded to the palatial home of her parents where a reception was held. A large platform had been built even with the front porch of the house and brightly decorated with Chinese lanterns lighted by electricity, which made an excellent floor for dancing.

The bride and groom left about midnight by automobile for New York, remaining at Albany en route until the following morning. They sailed for Europe on Saturday, the 25th, for an extended tour, and will be "at home" to their friends about February next.

The number of invited guests present was close to three hundred, while the presents received by the bride were numerous, costly and beautiful. Among those present may be mentioned, in addition to the relatives of the bride and groom, the principal employees of the Jerome B. Rice Seed Co., and leading residents of Cambridge.

CATALOGUES RECEIVED.

A. T. Boddington, New York.—Autumn Garden Guide, 1909. Very attractive in white cover in red, green and gold, designed by H. A. Bunyard. Abundantly illustrated.

Valdesian Nurseries, Bostic, N. C.—Wholesale Trade Price List for Nurserymen, Florists and Dealers only. Amoor River Privet is a specialty with this nursery and they have it in enormous quantity and every size, from 6 inches up to shapely specimens for tub planting.

Stuart Low & Co., Bush Hill Park, Enfield, England.—Special List of Orchids. This is a convenient little handbook printed in green and red and illustrated with several orchid portraits. It will be found useful to the florist wishing to get familiar with the different species and varieties of commercial orchids and their comparative cost. Send for a copy.

LILIUM FORMOSUM

The favorite new type of Easter Lily which has proved so very satisfactory in the past two years. Especially desirable for early forcing.

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6-8	400	\$4.00	\$37.50
7-9	300	\$7.25	\$67.50
8-10	250	\$9.25	\$87.50

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INCORPORATED.

Auburn, N. Y.—Smith Bros. Seed Co., has incorporated with offices at 34 Water street.

Twin Falls, Ida.—E. R. Peterson of Worcester, Mass., and J. A. Lundahl have established a greenhouse business here.

Houston, Tex.—League City Semitropical Garden Co.; J. A. O'Shaughnessy, W. Y. Fuqua, G. C. Perkins; capital stock \$5,000.

Springfield, Mo.—Ozark Seed Co., was recently incorporated with a capital of \$5,000, to buy and sell seeds, grains, plants, incubators and other merchandise generally kept by seed and grain houses. The principal stockholders are the owners of the Springfield Seed Co. It is said that they will be located on Commercial street.

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Vine and Plant, 25 lb., \$2.00

Chrysanthemum, 25 " \$3.75

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will carefully execute orders for Kansas City
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Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

OF INTEREST TO RETAIL FLORISTS.

Taunton, Mass.—N. B. Moxon has
started in the florist business.

The Chicago Carnation Co. of Joliet,
Ill., has sold its retail store to J. W.
Sheppard of Joliet.

New York, N. Y.—Charles H. Brown,
of Columbus avenue, will open a new
store in the "Belbord", Broadway and
86th street, about Oct. 15.

Westbrook, Me.—N. W. Hannaford,
who recently acquired the Elwell
greenhouses, has thoroughly remodelled
them, and on September 27-28
held an "opening" with a sale of ferns
at special prices as an attraction.

Colorado Springs, Col.—The Pike's
Peak Floral Co. announce that the retail
business of Wm. Clark at Wahsatch
and Platte avenues will be continued
and stock will be supplied from their
large range of houses which cover
more than three acres.

STEAMER DEPARTURES

Allan Line.

Numidian, Boston-Glasgow...Oct. 15
American.

St. Paul, N. Y.-S'hampton....Oct. 9
Atlantic Transport.

Minnehaha, N. Y.-London....Oct. 9
Cunard.

Saxonia, Boston-Liverpool....Oct. 5
Mauretania, N. Y.-Liverpool...Oct. 6
Pannonia, N. Y.-Med'n Ports...Oct. 7
Carmania, N. Y.-Liverpool....Oct. 9

French Line.

La Touraine, N. Y.-Havre....Oct. 7
Hamburg-American.

Waldersee, N. Y.-Hamburg....Oct. 8
Leyland Line.

Cestrian, Boston-Liverpool....Oct. 6
North German Lloyd.

Krpr. Wilhelm, N. Y.-Bremen.Oct. 5
Kurfuerst, N. Y.-Bremen.....Oct. 7
Pr. Irene, N. Y.-Med'n Pts....Oct. 9
White Star.

Baltic, N. Y.-Liverpool.....Oct. 9
Dominion, Montreal-Liverpool.Oct. 9

NEW FLOWER STORES.

Mt. Vernon, N. Y.—S. J. Clark, 3 So.
4th Av.

Zanesville, O.—H. T. Goodlive, Atha
Building.

Milwaukee, Wis.—Walter M. Maas
& Co., 128 Oneida St.

Leavenworth, Kan.—The Sunnyside
Floral Co., Hannon Building.

Los Angeles, Calif.—O. C. Saakes,
Fourth St., between Spring and Broad-
way.

New York, N. Y.—Geo. Hanges &
Co., 86th street and Columbus avenue;
Alfred T. Bunyard, 48th street and
Madison avenue.

Washington, D. C.—John Robertson
has finally located at 1510 H street,
N. W., and will be ready in a few
days to receive his old customers.



ALEX. McCONNELL

571 FIFTH AVENUE
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Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

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Theatres, Hotels, Steamers or Residences.

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For Ste. mers sailing from Montreal and Quebec
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MONTREAL

Careful attention and prompt delivery.

**LOUISVILLE, KY.
JACOB SCHULZ,**
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CHICAGO NOTES.

Controversy Over Garfield Park Greenhouses.

The subject of the Garfield Park Conservatories is again before the public and this time in a way that is likely to prove more than a controversy. According to the Chicago Tribune of September 27, suit may be brought for the cost of rebuilding the dome against the C. E. Carson Co. contractors, by the park commission. The building is said to be one of the greatest structures in America: was built only two years ago and its immense dome has been riddled with holes ever since its completion. Its cost was \$200,000, and the replacing of the dome will cost \$40,000. The contract called for copper, steel and lead for the construction and the park commission blames Jens Jensen, who was at that time superintendent of the Chicago Park System, for not seeing that these materials were used instead of wood and putty. Mr. Jensen says the park commission should have let the job to none but experts in greenhouse construction, and Chicago people in the florists' business are inclined to look at it in the same way. The framework of the glass is badly warped and allows the glass to fly out in the least wind. Certainly the Garfield Park Conservatories are in no condition to reflect honor upon anyone connected with their erection. Bids have been called for at various times for its reconstruction, but firms specializing in greenhouse construction have been a little slow in responding. The original contract was awarded to the lowest bidder, and this is not the first city to have had a somewhat similar experience.

Illinois State Fair.

The State Fair at Springfield, October 5th and 6th, is of interest to Chicago florists. It is expected that quite a number of local growers will be exhibitors, though the interest in the matter so far has not been so lively as the inducements in the way of premiums would warrant, to say nothing of the advertising their business would get. The premium list covers liberal offers to both professionals and amateurs. George Asmus has the matter




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a formal note or a social letter, you are often forced to choose between a printed business letterhead, ladies' stationery, or some of the soft, flimsy paper so often offered men. Ask your dealer for "the stationery of a gentleman,"

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a paper meeting every social requirement, and distinctly for men. Keep a box in your rooms and one at the office.

Sample on Request
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The Only Paper Makers in the World
Making Bond Paper Exclusively
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in charge for the Chicago Florists' Club.

Chicago Horticultural Society.

The meeting of the executive committee of the Chicago Horticultural Society for the purpose of perfecting arrangements for the coming flower show took place on the 27th inst., and resulted in the appointment of J. H. Burdette as press agent. No definite action was taken on the place, nor the selection of a manager. The date is fixed at November 2-9.

Personal.

Percy Jones, manager of the Flower Growers' Market, is ill at his home in Austin.

T. Watase, president of the Tokio Plant, Seed and Implement Co. of Tokio, Japan, is in Chicago.

Frank Higgins, for many years with the selling force of George Reinberg's, is very ill at his home in Bowmanville.

Chicago Visitors: R. G. Schlotter, Keokuk, Ia.; H. F. Greve, Dallas, Tex.; Mr. Johnson of Johnson Floral Co., Kendallville, Ind.; E. L. Snyder, El Paso, Tex.; P. N. Obertin and wife, Kenosha, Wis.; E. Amerpohl, Janesville, Wis.; E. Haentze, Fond du Lac, Wis.; W. D. Reltic, So. Bend, Ind.; Milo Crozier son of J. G. Crozier, of Cedar Rapids, Ia.

NEWS NOTES.

Athens, Ga.—T. W. Dennington, of Lavonia, is to start a nursery business here.

Greenville, Miss.—The Delta Floral Co. have started in the florist business here.

Brooklyn, N. Y.—Dame Rumor saith that the Brooklyn Wholesale Cut Flower Market is to be opened at the corner of Red Hook lane and Fulton street.

Newport, R. I.—John P. Hammond, who for several years was gardener for Col. Delancey A. Kane, and more recently assistant at the E. J. Berwind estate at Newport, R. I., has accepted the position as gardener for Mrs. E. H. G. Slater; James Sharkey having resigned that position.

"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by Towns for Ready Reference.**

Denver, Colo.—Park Floral Co., 1706 Broadway.
 Washington, D. C.—Gude Bros., 1214 F St.
 Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Chicago—George Wittbold Co., 1657-59 Buckingham Place.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Hoffman, Florist, 59-61 Massachusetts av.
 Boston—Julius A. Zinn, 2 Beacon St.
 Wellesley, Mass.—Tallby.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 1071 Broadway.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Young & Nugent, 42 W. 28th St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.

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Send flower orders for delivery in Boston
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THOS. F. GALVIN

124 Tremont St., Boston

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Your orders for flower or plant delivery in Eastern New England to

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DAHLIAS

\$2.00 - \$4.00 per 100

All the best commercial varieties: Bruton, Jack Rose, Arabella, Sylvia, Lyndhurst, John Walker, Krimhilde, etc., and a good assortment of

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WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

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All Colors—Good Quality

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CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 28	TWIN CITIES Sept. 25	PHILA. Sept. 27	BOSTON Sept. 29
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	25.00 to 35.00	17.00 to 20.00	18.00 to 25.00
" Extra	15.00 to 20.00	15.00 to 25.00	15.00 to 17.00	10.00 to 15.00
" No. 1	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	4.00 to 8.00
" Lower grades	6.00 to 10.00	6.00 to 10.00	6.00 to 8.00	2.00 to 3.00
Belle, 'Maid, Chateaux, F. & S.	5.00 to 8.00	6.00 to 8.00	5.00 to	3.00 to 6.00
" Lower grades	3.00 to 4.00	3.00 to 6.00	..... to 3.00	.50 to 1.00
Killarney, Fan, & Sp.	5.00 to 8.00	6.00 to 8.00	5.00 to 6.00	3.00 to 6.00
" Lower grades	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00	.50 to 1.00
Richmond, Fancy & Special	5.00 to 8.00	6.00 to 8.00	5.00 to 6.00	4.00 to 6.00
" Lower grades	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00	.50 to 1.00
My Maryland, Kaiserin	4.00 to 8.00	5.00 to 8.00	3.00 to 8.00	.50 to 6.00
CARNATIONS	2.00 to 3.00	1.00 to 3.50	1.50 to 3.00	1.00 to 2.00
MISCELLANEOUS				
Chrysanthemums	15.00 to 25.00	15.00 to 20.00	10.00 to 15.00	8.00 to 12.00
Gladioli	2.00 to 4.00	2.00 to 5.00	2.00 to 3.00	1.00 to 4.00
Asters .....	.25 to 1.50	1.00 to 3.00	1.00 to 2.00	.80 to 1.00
Violets .....	.....	.....	.....	.35 to .50
Carthages	40.00 to 65.00	40.00 to 50.00	60.00 to	50.00 to 75.00
Lilies	12.00 to 15.00	12.00 to 15.00	10.00 to 12.50	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Mignonette	2.00 to 5.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Gardenias .....	.....	.....	15.00 to 25.00	10.00 to 20.00
Adiantum .....	.75 to 1.00	.75 to 1.00	1.00 to .....	.75 to 1.00
Smilax	10.00 to 15.00	10.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100) ..	50.00 to 75.00	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00
" " & Spreng. (100 bchs.) ..	25.00 to 35.00	25.00 to 35.00	25.00 to 50.00	15.00 to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.

WHOLESALE COMMISSION DEALERS IN

CUT FLOWERS—FLORISTS' SUPPLIES

AND HARDY CUT EVERGREENS

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FLORISTS' SUPPLIES

Send for New Catalogue

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IF YOU

want to find a market for your product
want a regular or special supply of the
product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the
Wholesale Flower Trade

Flower Market Reports.

BOSTON The recent storm has put asters, gladioli, sweet peas and other garden products into "innocuous desuetude" and indoor flowers have already felt the benefit. A crisp demand has been enjoyed by the wholesale trade all through the present week, due in part to the above-mentioned cause and partially to the return of the buying public to their city haunts. The chances for any restoration of outdoor material to its recent prominence are very slim, as killing frosts cannot be very far off and the prospects for regular florists' stock are excellent. American Beauty roses are keeping fully up to our standard quotations and a few nice ones have found a market at the exceptional price of \$4 a dozen. There is a better call for lily of the valley, with a somewhat reduced supply. Carnations have moved upward within the past few days and are bringing a good price, considering the inferior grade of most of the flowers coming in. Dahlias, which exercise some influence on other flower markets, are not in the reckoning here and have, in fact, no commercial value in Boston market.

The "Music Hall Flower Market" has decided to move to Park street and now Boston will have two "Park Street Markets," separated by only one small building. While the floor area is smaller than that occupied in the past, it is a much lighter and better ventilated room and is likely to prove a more advantageous location in many respects.

BUFFALO Crisp air of autumn and coloring of foliage tell winter is on the way. A few days of heavy rain has shortened the life of the out door flower and from now on the indoor material will be more in demand though the past two weeks has found the market well supplied with good asters, gladioli and tuberose. With a few hot days in between the rose supply was heavy, especially in the line of Chateaux, Detroit, Killarney and White Killarney—all full blown when coming in to the market. Beauties are having an exceptionally good demand and at times not enough could be had. Richmond is in over supply. Lily of the valley and lilies have sold well. Short-stemmed carnations drag somewhat. Excellent Enchantress, both pink and white, are the best in the carnation line and select stock is picked up quickly. Plenty of greens.

CHICAGO The closing week in September was very satisfactory all along the line. It opened with a very busy Monday. The two days that followed found sales slower, but at no time was there any accumulation and as is always the case under these conditions, the closing days of the week were quite brisk. Sunday found the market the same and Monday everything cleaned up readily. The supply is decidedly shorter than two weeks ago. No killing frost has visited this vicinity at this writing, but the out door stuff is practically all gone and the plants in the houses not quite so advanced as in former years. Asters may be said now to be out of the market. A few stragglers are seen here and there but they are poor stock and the



STARTLING VALUES

WE OFFER BELOW

Field Grown Carnation Plants

EXTRA LARGE PLANTS, HEALTHY, FREE OF DISEASE
VERY CHOICE STOCK.

To convince the trade that these plants are the best values ever offered, samples furnished on request and all plants guaranteed.

Good investment, plant in after early Chrysanthemums.

Winsor,	\$6.00 per 100	\$55.00 per 1000
Enchantress,	6.00 per 100	50.00 per 1000
Bountiful, White Enchantress,	6.00 per 100	55.00 per 1000
White Perfection	5.50 per 100	50.00 per 1000
White Lawson, Sara Hill	5.00 per 100	
Rose Pink Enchantress,		
Winona, Splendor,	6.00 per 100	50.00 per 1000
Pink Lawson, Harlowarden,	5.00 per 100	40.00 per 1000

S. S. PENNOCK-MEEHAN CO.

The **WHOLESALE FLORISTS** Philadelphia

1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

florists will not be sorry to see the last one go. Gladioli have not been at their best this year and they might be put in the class with the asters. Dahlias are very scarce and on short stems. In fact the grower of out door stock in Chicago and vicinity this year has had his troubles. But he is not alone, for the same unfavorable weather conditions that ruined or damaged his plants, prevented the carnation plants from getting a good start. Some growers say their crop of fall blooms is several weeks behind the season. Enchantress, White Perfection, Victory

and Aristocrat are coming in but stems are rather short. Lawson and Winsor are later and the few ready to cut have very short stems. There are carnation blooms in plenty in the market with stems not exceeding six inches. White carnations are very scarce, as also are red; in fact, good carnations cannot be said to equal the demand in any color. In roses Killarney, Maryland and Marshall Field are the best to be had. White roses are scarce. There has been a good demand for American Beauty during the entire month of September.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 28			DETROIT Sept. 26			BUFFALO Sept. 28			PITTSBURG Sept. 27		
ROSES												
Am. Beauty, Fan, and Sp.	20.00	to	25.00	30.00	to	35.00	20.00	to	25.00	20.00	to	25.00
" Extra	15.00	to	20.00	25.00	to	30.00	15.00	to	20.00	12.50	to	15.00
" No. 1	8.00	to	12.00	20.00	to	25.00	10.00	to	15.00	8.00	to	12.50
" Lower grades	4.00	to	6.00	5.00	to	15.00	2.00	to	8.00	.....	to	6.00
Bride, 'Maid, Chateaux, F. & S. ....	.....	to	6.00	4.00	to	6.00	5.00	to	6.00	6.00	to	.....
" Low gr.	2.00	to	4.00	2.00	to	4.00	2.00	to	4.00	2.00	to	4.00
Killarney, Fan, & Sp. ....	.....	to	6.00	4.00	to	6.00	5.00	to	6.00	6.00	to	8.00
" Lower grades	2.00	to	4.00	2.00	to	4.00	2.00	to	4.00	3.00	to	4.00
Richmond, Fancy & Special	6.00	to	8.00	4.00	to	6.00	4.00	to	6.00	6.00	to	8.00
" Lower grades	3.00	to	4.00	2.00	to	4.00	2.00	to	4.00	2.00	to	4.00
My Maryland, Kaiserin	4.00	to	6.00	3.00	to	8.00	4.00	to	6.00	2.00	to	8.00
CARNATIONS												
.....	1.00	to	2.00	1.00	to	2.00	1.00	to	2.50	1.00	to	2.00
MISCELLANEOUS												
Chrysanthemums	15.00	to	25.00	8.00	to	20.00	15.00	to	25.00	12.50	to	15.00
Gladioli	2.00	to	4.00	3.00	to	6.00	3.00	to	4.00	2.00	to	5.00
Asters	1.00	to	2.00	1.00	to	2.00	1.00	to	1.50	1.00	to	2.00
Cattleyas .....	.....	to	.....	40.00	to	60.00	60.00	to	70.00	40.00	to	50.00
Lilies	10.00	to	15.00	12.50	to	15.00	12.50	to	15.00	12.00	to	15.00
Lily of the Valley	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00
Mignonette .....	.....	to	.....	1.50	to	1.00	1.00	to	1.50	2.00	to	3.00
Gardenias .....	.....	to	.....	30.00	to	30.00	30.00	to	30.00	20.00	to	30.00
Adonis .....	.....	to	1.00	1.00	to	1.50	1.50	to	1.50	.....	to	1.50
Smilax	10.00	to	12.00	15.00	to	.....	15.00	to	15.00	12.00	to	15.00
Asparagus Plumosa, strings (100) ..	40.00	to	50.00	30.00	to	50.00	40.00	to	50.00	30.00	to	50.00
" " & Spreng. (100 bchs.) ..	30.00	to	25.00	30.00	to	50.00	25.00	to	50.00	30.00	to	40.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

37 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
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shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan****Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**Finest American Beauties and
Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
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162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756
Madison Square New York**MILLANG BROS.**

WHOLESALE FLORISTS

41 West Twenty-Eighth Street

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3861**JOHN I. RAYNOR****Wholesale Commission Florist**SELLING AGENT FOR
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

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ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 24 1909		First Half of Week beginning Sept. 26 1909	
American Beauty, Fancy and Special.....	10.00	to 25.00	15.00	to 25.00
" " Extra.....	6.00	to 10.00	10.00	to 12.00
" " No. 1.....	4.00	to 6.00	6.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Aid, Golden Gate, Fancy and Special.....	2.00	to 4.00	2.00	to 5.00
" " Lower Grades.....	.25	to 2.00	.50	to 1.00
Killarney, Fancy and Special.....	3.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.25	to 1.00	.50	to 3.00
Richmond, Fancy and Special.....	3.00	to 5.00	4.00	to 6.00
" " Lower Grades.....	.25	to 2.00	.50	to 3.00
Chatenay.....	.25	to 4.00	.50	to 5.00
Fly Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" Ordinary.....	.25	to 1.00	.75	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664--1665 MADISON SQUARE

ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

GROWERS' CUT FLOWER CO.CUT FLOWERS
AT
WHOLESALEVIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES

Consignments Solicited. Shipments to Order, any Distance

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Telephone 6237 Madison Square
J. J. COAN, Manager

NEW YORK

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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NEW YORK
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PERS OF CUT
FLOWERS.**
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MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

B. S. SLINN, JR. VIOLETS

Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut.
Cycas and Palmetto.

Tel. { 1519 Mad. Sq. 113 W. 28 St., New York.
5893 }

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 470)

Counter sales have been
DETROIT very encouraging during
the last week and dur-

ing the latter part stock became very
scarce. These are the weeks of trans-
formation which almost every year
cause a great deal of inconvenience
to the retailer. Garden flowers are
about passed and indoors are not far
enough advanced either in quality or
quantity to meet the increasing de-
mand. Elmer D. Smith shipped a very
fine lot of yellow chrysanthemums to
the Michigan Cut Flower Exchange,
but the real cut locally will not start
for a week or ten days. Some October
Frost are promised for the latter part
of this week. Very bright and crisp
weather has set in, causing those who
grow roses to start their furnaces.
This is three days later than last year.

A general and very
NEW YORK welcome improvement
is noted in the mar-

ket; cool weather and a cessation in
the aster supply has turned the atten-
tion of buyers more to the indoor stock.
There is a fair supply of chrysanthem-
ums of Golden Glow, October Frost
and Rosarie varieties, which move eas-
ily when quality is good. Carnations
are coming in sufficient quantity to
supply present needs. In roses the
situation is satisfactory. Very excel-

WILLIAM F. KASTING CO. WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for
the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily -
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 25 1909	First Half of Week beginning Sept. 27 1909
Cattleyas.....	40.00 to 75.00	40.00 to 75.00
Lilies.....	3.00 to 6.00	5.00 to 6.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Chrysanthemums.....	12.00 to 15.00	12.00 to 15.00
Asters.....	.50 to 1.00	.50 to 1.00
Gladioli.....	.25 to 1.00	1.00 to 2.00
Sweet Peas (per 100 bunches).....	1.00 to 5.00	1.00 to 5.00
Gardenias.....	5.00 to 25.00	5.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
San Mar.....	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Spec. (100 bchs).....	12.00 to 20.00	12.00 to 20.00

lent grades of Marylands and Killar-
neys are to be had and little difficulty
is found in disposing of them. Lily
of the valley is not plentiful, Cattle-
yas are growing more numerous and
quotations are lower. Lilies are stiffer
in price; green stock moves very slow-
ly. The Hudson-Fulton celebration
has not created any extra demand for
cut flowers, except in a few instances
where decorative stock such as chry-
santhemums and Beauties were wanted.

We are tired
PHILADELPHIA preaching the
same sermon ev-

ery week. Business keeps improving
right along with the season of course,
and the supplies of flowers ditto. Our
editor seems to think we all want the
particulars of the menu—week in and
week out. But soup, entree, roast
and pumpkin—says the cook. If you
want pate-de-foie-gras, mushrooms, and
sich, we will supply them, if you say
so. Pink chrysanthemums are in—
Montmore. For seven days nothing
has really happened in this market—
all humdrum—so this note is really a
waste of space.

Succeeding the
WASHINGTON heavy equinoctial
storm of the 24th
everything has taken on autumn tints
and dahlias and the earlier chrysanthem-
ums are in evidence, also good qual-
ity carnations—unusually good.

Count Your Spools

In the boxes of Meyer
Green Signaling and then
count the other parties.

For sale by all reliable houses.

JOHN C. MEYER & CO.
Boston and Lowell, Mass.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA,
N. C.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Southern Wild Smilax
Satisfaction Guaranteed
Louisville Floral Co., Louisville, Ala.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.
Asparagus Plumosus Nanus, strong plants from 2 1/4 inch pots, \$2.50 per 100, \$22.00 per 1000. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.
Asparagus plumosus, strong 2 and 3-in., \$3.00 and \$5.00 per 100. Sprenger, extra heavy, 3-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

AUCTION SALES

N. F. McCarthy & Co., 84 Hawley St., Boston.
Fall Plant Auction Sales.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Begonia Gloire de Lorraine, strong stuff, ready for 4-inch pots, \$15.00 per 100. New Begonia Pres. Taft, strong plants, ready for 4-inch pots, \$25.00 per 100; extra strong, ready for 6-inch pots, \$50.00 per 100. Iris Pallida Dalmatica \$12.00 per 100, \$100.00 per 1000. Now is the time for planting. Cash with order from unknown correspondents. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.
Begonia Gloire de Lorraine, fine stock from 2 1/4 inch pots, \$10.00 per 100. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Mitchell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lillies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs, Horseshoe Brand.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Lilium Longiflorum and Other Forcing Bulbs.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Mary Tolman.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnations.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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Hjalmar Hartmann & Co., Copenhagen, Denmark.
Carnation Comtesse Knuth.
J. L. Dillon, Bloomsburg, Pa.
Carnations Field Grown.
Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
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H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
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Geo. Peters & Sons, Hempstead, N. Y.
Field Grown.
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Dingee & Conard Co., West Grove, Pa.
New Seedling Carnations.
For page see List of Advertisers.

CARNATIONS—Continued

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.
A bargain for some one. We have 155 white Lloyds, 50 white Queen, 50 Prosperity, and \$10.00 cash takes the lot. You cannot get better plants at any price. The Hillside Floral Gardens, Atlantic Highlands, N. J.
Carnation plants from field, extra strong and healthy. Enchantress, \$5.00 per 100, \$45.00 per 1000. Mrs. Thos. W. Lawson and White Lawson, \$1.00 per 100, \$40.00 per 1000. Cash with order. M. J. Schaaf, Dansville, N. Y.
CARNATIONS—2500 Queen, \$50.00 per 1000; 2500 Boston Market, \$50.00 per 1000; 3500 Enchantress, \$50.00 per 1000; 1500 Harlowarden, \$45.00 per 1000; 500 Red Sport, \$45.00 per 1000. Fox & Rosen, Parker Ford, Pa.
UNUSUALLY FINE STOCK.
White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.
Field-grown carnations, strong, healthy plants. B. Market, Queen, Fair Maid and Lawson, \$3.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.
Carnations, Boston Market, Enchantress, \$5 per 100; \$40 per 1000. Aristocrat, Windsor, \$6 per 100; \$50 per 1000. Mrs. A. M. Schafer, 2129 Balmoral Ave., Chicago, Ill.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.
Strong, healthy, field-grown P. Lawson, 5c. Albion D. Emerson, Westville, N. H.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
Golden Glow chrysanthemums; stock plants; 12 for 75c., 25 for \$1.25, 100 for \$4.50. C. A. Shaffer & Co., Alexandria, Va.
25,000 stock plants Golden Glow, October Frost, \$25 per 1000, to clear benches. I. M. Rayner, Greenport, N. Y.

CLEMATIS PANICULATA

Fine plants, two and three years, \$1.00 per doz.; \$5.00 per 100; 50 at 100 rates. F. A. Baller, Bloomington, Ill.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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WE PAY THE FREIGHT

On Cut Flower Boxes if your order reaches us during September. Write for sample of stock we use and prices. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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CINERARIAS

Cinerarias, 2½ in., \$5; 3 in., \$8; 4 in., \$12.50. Write for price list. Geo. A. Kuhl, Pekin, Ill.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen, 2½ in., \$5.00; 3 in., \$8.00; 4 in., \$20.00. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Herbert, Atco, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

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Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Nephrolepis Elegantisissima Compacta.
For page see List of Advertisers.
Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
Whitman ferns; Runners, \$2 per 100; 6 in., \$5 per doz.; 7 in. and 8 in., 75c. and \$1 each. Cash with order. Edw. G. Davis, Shawmut Ave., New Bedford, Mass.

FERTILIZERS

German Kali Works, 93 Nassau St., New York, N. Y.
Potash.
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FLORAL PHOTOGRAPHS

Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
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FLORISTS SUPPLIES

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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Rosens, 48 West 29th St., New York City.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.
Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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GERANIUMS

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poitevine, \$15. A. M. Herr, Lancaster, Pa.
Geranium—Rooted cuttings S. A. Nutt and Beaute Poitevine, \$1.25 per 100; \$10.00 per 1000. October and November delivery. Fine stock. Write for prices on large quantities. See vinca ad. A. L. Munk, Mt. Gilead, O.
Fresh from patch, ready for shipment. Medium size, 40c. 1000; large size, 45c. 1000. Cash with order. B. H. Thompson, R. F. D. 1, Dobson, N. C.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1592-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
Glass. High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham, Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GRATE BARS

Broadway Iron Foundry Co., 92 Broadway, Cambridgeport, Mass.
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GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, New York.
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Hitchings & Co., 1170 Broadway, New York.
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J. C. Mounger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1259-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., 113 W. 28th St., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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HEATING APPARATUS

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.
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HERBACEOUS PERENNIALS

P. Onwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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In writing to Advertisers kindly mention Horticulture

HYDRANGEAS.

American Everblooming Hydrangea (*H. Arborescens Grandiflora alba*), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

Special. Hardy hydrangeas, four-year-old plants, extra fine, for Oct. delivery. 1 doz. lots, \$6.00; 100 lots, \$40.00. Special on 250 lots. Write. Geo. A. Kuhl, Pekin, Ill.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stump & Walter Co., 50 Barclay St., New York.

Killdead Tobacco Dust.

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Phila. Insecticide Co., 6117 Main St., Germantown, Pa.

Pullman's Insect and Worm Destroyer:

Nicotine.

E. G. Pratt Co., 50 Church St., New York.

Scaledie.

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Geo. E. Talmadge, Inc., Madison, N. J.

Aphline.

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$8.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JERUSALEM CHERRIES

Jerusalem cherries, 4-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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KENTIAS

Godfrey Aschmann,

1012 W. Ontario St., Philadelphia, Pa.

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A. Leuthy & Co., Roslindale, Mass.

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Jos. Heacock Co., Wyncote, Pa.

Home-Grown, Established Plants.

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.

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MANUALS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.

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MUSHROOM SPAWN

Wm. Elliott & Sons, 42 Vesey St., New York.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,

American Nursery, Bagshot, England.

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P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

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New England Nurseries, Inc., Bedford, Mass.

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NURSERY STOCK—Continued

W. & T. Smith Co., Geneva, N. Y.

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Boblink & Atkins, Rutherford, N. J.

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Eastern Nurseries, Jamaica Plain, Mass.

Pinus Strobus.

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Leesley Bros., Chicago, Ill.

Trees, Shrubs, Evergreens, Hardy Plants.

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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.

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Carrillo & Baldwin, Secaucus, N. J.

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Ordenez Bros., Madison, N. J., Box 105.

C. Lablata: D. Biglbunm Arrived.

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Stuart Low & Co., Bush Hill Park,

Enfield, Eng.

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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse

Lead: Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,

Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts.,

Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

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Geo. Wittbold Co., 1657 Buckingham Place,

Chicago.

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John Scott, Brooklyn, N. Y.

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PANSY PLANTS.

BROWN'S PANSIES.

Extra select, superb giant, mixed pansy plants, \$3.00 per 1000; \$25.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

Giant pansy plants, good strain, \$2.50 per 1000. A. B. Reynolds, Ballston Spa, N. Y.

PANSY SEED

A. T. Boddington, 342 W. 14th St.,

New York.

Giant Pansies.

PATENTS

Siggers & Siggers, Washington, D. C.

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PEAT

Orchid Peat and Moss always on hand.

Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.

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The E. G. Hill Co., Richmond, Ind.

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S. G. Harris, Tarrytown, N. Y.

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Cottage Gardens Co., Queens, N. Y.

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Estate of David Fisher, Montvale, Mass.

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Sunnyfield Nursery Co., Poughkeepsie, N. Y.

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Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C.

Betscher, Canal Dover, O.

6 choice named kinds, distinct colors,

\$1.00 per doz.; \$6.00 per 100. F. A. Baller,

Bloomington, Ill.

Peonies only, by the wholesale—best 100

varieties. J. F. Rosenfield, Westpoint, Nebra.

Peony list ready. Write for one today.

Standard varieties. Prices right. Gilbert

H. Wild, Sarcoxie, Mo.

PEPPERS

Celestial peppers, 2½ in., \$5.00; 3 in.,

\$8.00; 4 in., \$15.00. Geo. A. Kuhl, Pekin,

Ill.

PHLOXES

Sunnyfield Nursery Co., Poughkeepsie, N. Y.

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PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.

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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and

26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.

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PIPE AND FITTINGS. Cast Iron and

Wrought Pipe, Valves, Elbows, Pipe Hooks,

Automatic Air Headers, etc. Lord & Bur-

ham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St.,

Boston.

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Metropolitan Material Co., 1392-1402 Met-

ropolitan Ave., Brooklyn, N. Y.

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PLANT STAKES

Seele's Tieless Plant Stakes and Trell-

ises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.

\$1.25 by mail. I. N. Kramer & Son, Cedar

Rapids, Iowa.

POINSETTIAS

Poinsettias, 2½ in., \$6.00; 3 in., \$10.00;

4 in., \$20.00. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.

Primroses Obconica and Chinenals.

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Ed. Herrmann, North & Milton Ave.,

Baltimore, Md.

Chinese Primulas.

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Primula chinensis, 9 colors mixed, 2

inch, 2c.; Obconica Ronsderfer, Lattmann-

Hybrida, 10 colors mixed, 2 inch 2c.; Ob-

conica gigantea, mixed, 2 inch 2½c. J. L.

Schiller, 929 Prouty Ave., Toledo, O.

PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran.,

\$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M;

24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30

in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in.,

\$12.50 M; 18 to 24 in., \$15 M, well branched;

18 to 24 in., heavy, \$16 M; 24 to 30 in.,

heavy, \$20 M. F. O. B. Bostic. Cash

with order. Valdesian Nurseries, Bostic

Dept., Bostic, North Carolina.

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RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, Hoboken, N. J.
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ROSES

Robert Craig Co., Market and 40th Sts.,
Philadelphia, Pa.

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Dingee & Conard Co., West Grove, Pa.
Novelties in Roses.

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Poehlmann Bros. Co., Morton Grove, Ill.
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A. N. Pierson, Cromwell, Conn.
White Killarney, My Maryland, Rambler.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langgstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.

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A. J. Pieters, Seed Grower, Hollister, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, 342 W. 14th St.,
New York.

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Richards Bros., 37 E. 19th St., New York.
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R. & J. Farquhar & Co., 6-7 So. Market St.,
Boston.

Giant Cyclamen Seed.

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H. F. Mitchell Co., 1018 Market St., Phila.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.

Beans, Peas, Sweet Corn, Onion.

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Schlegel & Fottler Co., 26 & 27 So. Market
St., Boston.

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E. F. Winterson Co., Chicago.
Seeds for Plantamen, Nurserymen, Seeds-
men.

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A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.

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O. V. Zangen, Hoboken, N. J.
Giant Cyclamen Seed.

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Holmes Seed Co., Harrisburg, Pa.
Green Prolific Pole Lima Bean: Delicious
Early Sweet Corn.

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H. E. Flske Seed Co., Boston.
Cyclamen Seed.

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SHRUBS

The George Wittbold Co., 1657 Buckingham
Place, Chicago.

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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, 2 1/2-in., \$1.50 per 100. Cash with
order. L. Menand, Albany, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Finest sphagnum moss, 5 barrel bale,
\$1.25; ten or more, \$1.00 each. The New
Jersey Moss Co., Wright-Sterling, 802
Chestnut St., Philadelphia, Pa.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.

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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.

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STEVIA

Stevia, 2 in., 2 cts. Double Alyssum,
2 in., 2 cts. Cash with order. O. C. Day,
Hudson, Mass.

SULFUR BURNER

Benj. Dorrance, Dorranceton, Pa.
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SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.

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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

The Advance Co., Richmond, Ind.

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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.

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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VINCAS

Charles H. Green, Spencer, Mass.
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Vinca Major Variegata and Vinca Major,
fine clumps, large, \$4.00 per 100. See Ger-
anium ad. A. L. Munk, Mt. Gilead, O.

VIOLETS.

Charles H. Green, Spencer, Mass.
Violets Field Grown.

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J. C. Schmidt, Bristol, Pa.

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WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.

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Louisville Floral Co., Louisville, Ala.
Southern Wild Smilax.

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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

WIREWORK — Continued

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.

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Welch Bros., 226 Devonshire St., Boston.
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Chas. W. McKeller, 51 Wabash Ave.,
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Peter Reinberg, 51 Wabash Ave., Chicago.
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E. F. Winterson Co., 45-49 Wabash Ave.,
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Poehlmann Bros. Co., Morton Grove, Ill.
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Hoerber Bros., Atlas Block, 51 Wabash Ave.,
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
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Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis,
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H. E. Froment, 57 W. 28th St., New York.
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Alex. J. Guttman, 34 W. 28th St., New
York.

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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 55 W. 28th St., New York.
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James McManus, 42 W. 28th St., New York.
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John I. Raynor, 49 W. 28th St., New York.
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W. F. Sheridan, 39 W. 28th St., New York.
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Moore, Hentz & Nash, 55 and 57 W. 28th
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Brooklyn, N. Y.

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Millang Bros., 41 W. 28th St., New York.
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John Young, 51 W. 28th St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

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Frank Millang, 55-57 W. 28th St., New
York.

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Philip F. Kessler, 55 & 57 W. 28th St.,
New York.

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A. L. Young & Co., 54 W. 28th St., N. Y.
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- Growers' Cut Flower Co., 39 W. 28th St., New York.
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- J. K. Allen, 106 W. 28th St., New York.
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- Charles Millang, 55 and 57 West 26th St., New York.
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- E. S. Shinn Jr., 55-57 W. 26th St., New York.
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- W. E. McKissick & Bros., 1619-1621 Ransstead St., Philadelphia, Pa.
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- Leo Nissen Co., 1209 Arch St., Philadelphia, Pa.
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- The S. S. Pennock-Meehan Co., 1606-13 Ludlow St., Philadelphia, Pa.
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New Offers in This Issue.

CALIFORNIA PRIVET: BERBERRY THUNBERGII.

C. R. Burr & Co., Manchester, Conn.
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CARNATION SANGAMO.

Chicago Carnation Co., Joliet, Ill.
A. C. Brown, Springfield, Ill.
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CARNATION CONQUEST.

Chicago Carnation Co., Joliet, Ill.
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CYCAS PALM.

Elmer D. Smith & Co., Adrian, Mich.
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FLOWERS BY TELEGRAPH.

M. A. Rowe, 1294 Broadway, New York, N. Y.
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GALAX AND LEUCOTHOE.

J. L. Banner, Montezuma, N. C.
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IRON FRAME GREENHOUSES.

King Construction Co., N. Tonawanda, N. Y.
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LILIUM FORMOSUM.

H. F. Michell Co., 1018 Market St., Philadelphia, Pa.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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OLD HAMPSHIRE BOND PAPER.

Hampshire Paper Co., So. Hadley Falls, Mass.
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PANSIES; DAISIES; FORGET-ME-NOTS; LETTUCE.

J. C. Schmidt, Bristol, Pa.
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PLANT TUBS.

American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O.
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SHRUBS AND SPECIMEN EVERGREENS.

J. J. McManmon, Nurseryman, Lowell, Mass.
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STANDARD THERMOSTAT.

Standard Thermometer Co., 65 Lester St., Boston.
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THOMPSON'S MANURES.

Wm. Elliott & Sons, 42 Vesey St., New York.
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A HORTICULTURAL BUILDING WRECKED.

Beautiful Horticultural Hall, the pride of New Orleans, and without question containing the largest and finest collection of rare tropical plants in the United States, was partially destroyed by a cyclone yesterday forenoon (Sept. 20) about 9.30 o'clock. The swath cut by the tornado was perhaps about 500 yards wide, and included in its path the grove of magnificent live oaks extending from Magazine street to the entrance of the hall. Just one-half of the hall from the cupola, or steeple, in the center towards Magazine street was prostrated flat to the ground, not even the foundations remaining upright. The rare plants and flowers contained in this portion of the hall, were ruined as far as can be seen, although some may be saved, but this cannot be ascertained until after the debris is all cleared away. The glass was, of course, shattered and ground into dust, while the timbers were split and torn and reduced to kindling wood. The havoc wrought was terrible and almost beyond belief. Huge beams supporting the heavy glass roof were broken as though they were sticks, while the lighter crossbeams were twisted and broken into small pieces. Horticultural Hall was built in 1884 during the exposition or world's fair, which was given in Audubon Park. The cost of the structure was about \$60,000, and the appraisalment, when a value was set on the park property last year, was \$40,000.

Superintendent Jules Fonta, who takes a great interest in the hall, is almost in despair at the havoc wrought.—New Orleans Picayune.

BUSINESS CHANGES.

West Chester, Pa.—George Way, Jr., has moved to 131 East Gay street.

Cincinnati, O.—Betz & Ball, wire workers, have dissolved, and Mr. Ball will carry on the business alone.

New Bedford, Mass.—Ashley & Henberger have dissolved partnership. Mr. Henberger retiring from the firm.

Cairo, Ill.—H. H. Cade, of Greensburg, Pa., has purchased the business of the late W. M. Davidson on Eighth street.

Boston, Mass.—William J. Galvin, of Newport, R. I., has taken charge of the Back Bay establishment of Thomas F. Galvin.

Wollaston, Mass.—Geo. Robertson & Son have leased the Brown greenhouses recently occupied by Thomas Pegler.

Terre Haute, Ind.—Patrick Donnelly has leased the Hunt greenhouses and will grow general stock for the wholesale market.

Pontiac, Mich.—O. B. Miller, foreman for the Mosbaek Greenhouse Co., is to start in the florist business here with his father.

Montpelier, Vt.—Emslie & Co., of Barre, have purchased the business of Alex. Broadfoot, which gives them greatly enlarged business facilities.

Minneapolis, Minn.—Henry Kusik & Co. have opened a wholesale cut flower establishment on Fifth street, north of Hennepin avenue, and will move the Western avenue stock to the new location.

During Recess

CHICAGO SPORTS.

The Chicago Bowling League is now fully organized and the captains chosen at their last meeting are as follows: Victor Bergman of Weinhoeber's, captain of "The Violets"; Geo. Asmus of the Schiller Flower Store, captain of "The Orchids"; Otto Goerisch of the A. L. Randall Co., captain of "The Roses," and Allie Zeck of Zeck & Mann's, captain of "The Carnations." A schedule giving dates and prizes for the season, is now in the hands of the printers. Each team contains five regulars and three substitutes.

Announcements are out for the 4th annual reception and ball to be given by the Chicago Wholesale Florists' employes at Columbia Hall, 1527 North Clark street, on Wednesday evening, Oct. 27th.

The decisive ball game played Sunday at Hinsdale between the employes of Poehlmann Bros. and those of Bassett & Washburn, gave the victory to the Poehlmann team by a score of six to three. The first three points were quickly won but the last three meant real work and the battle was hard fought. The usual exchange of courtesies in the shape of refreshments followed, with Bassett & Washburn as hosts. The families of August and Adolph Poehlmann accompanied their men and were entertained at luncheon by C. L. Washburn.

A PRESENTATION.

A number of the friends and neighbors of James Crosby, gardener for Mrs. J. W. Tufts of Medford, Mass., on the evening of September 22 surprised him and Mrs. Crosby with a present of a beautiful buffet in token of the esteem they are held in this neighborhood. Mr. Stuart Miller of Medford made the presentation, voicing the sentiments of all present in a few well-chosen words. Mr. and Mrs. Crosby were so taken aback, that they could hardly find words to express their appreciation. Ice cream and cake were served and a very enjoyable evening was spent. Mr. Whitney and Mr. Miller added much to the occasion by their instrumental and vocal abilities.

BUFFALO BOWLERS.

President Neubeck, of the Bowling section of the Buffalo Florists' Club, reports a good attendance at the weekly roll last Monday night, and he looks forward to turn out a prize-winning team at the end of the season.

INDIANAPOLIS FLOWER MARKET.

The past week's business has been of such a volume for the season that trade along the line feel much encouraged. There is an increasing demand for all good stock; fancy Beauties, teas, lily of the valley, and orchids all short of the demand. Yellow and white chrysanthemums are having a good run and selling out clean. The cut of the two weeks previous, however, did not sell well. Carnations are much improved in quality and should sell well from now on, as asters are about over. Dahlias are to be had in great quantities and will be a factor in the medium priced stock till frost comes.

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PERSONAL.

Miss Violet Rose has taken a position with J. J. Habermehl at the Bellevue-Stratford Flower Store, Philadelphia.

F. Gomer Waterer of Bagshot, England, sailed from New York on the Cunarder Lusitania, Wednesday, 29th inst.

Frank Edgar, of the firm of Edgar Bros., Waverley, Mass., was married on September 15 to Miss Margaret Burbeck.

Mr. Good, formerly with H. Hoffmeier, is now manager of John King Duer's store on Madison avenue, New York.

Samuel Lishman has taken charge of the recently completed greenhouses of Mrs. Mabel Barnes at Mansfield, Mass.

John T. Erickson, formerly head gardener on the Converse estate, Malden, has started in the florist business for himself at Swampscott, Mass.

Lawrence Cotter, manager of Lakeview Rose Gardens, Jamestown, N. Y., has been confined to the house for the past ten days with a serious attack of sciatic rheumatism.

Hugh Burch, gardener to Mrs. J. D. L. Layng, of Mt. Kisco, N. Y., was seriously injured in a boiler explosion on the estate and has been taken to the hospital. Workmen were making repairs on the boiler and had started a little fire, when the boiler burst, and the boiler-house was totally demolished. Mr. Burch fell among the debris.

Mr. Thomas Francis Dooner of Philadelphia, and Miss Alice Murray of Sea Bright, N. J., were married at Sea Bright on Tuesday, September 21. The many traveling members of the seed and flower fraternity who make Dooner's Hotel their base of operations in the Quaker City, will be interested in this announcement and extend sincere congratulations.

Among the passengers on the Canopic, which arrived at Boston from the Mediterranean last Monday morning, was Mr. J. K. M. L. Farquhar, returning from a two months' tour extending from northern Norway via Denmark, England and France to Italy. Mr. Farquhar was captured and surrounded by a little coterie of intimate friends at the Parker House on Wednesday evening and a rare "feast of reason and flow of soul" followed. Assurances have been given Mr. Farquhar by notable foreign cultivators of contributions to the great orchid show which is to take place in Boston next May. Mr. Farquhar is a keen observer, has an excellent memory and entertaining delivery and will, no doubt, be called upon to relate in a more public way some of his horticultural experiences, during the coming season.

New York visitor: John J. McManmon, Lowell, Mass.

Visitors in Philadelphia: R. Sawyer, Jacksonville Floral Co., Jacksonville, Fla.; Chas. Evenden, Evenden Bros., Williamsport, Pa.; Wm. A. Hammond, Richmond, Va.; Parker Thayer Barnes, Harrisburg, Pa.; P. Joseph Lynch, West Grove, Pa.; Miss Violet Rose, New York City; Alexander Cumming, Hartford, Conn.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Experienced grower for commercial place near Boston; must be good grower of carnations especially. Good salary to the right party. Address, with references, Carnations, care of HORTICULTURE, 11 Hamilton Place, Boston.

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—Experienced seed clerk. Wages \$15 a week. Address "E.," care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED as head gardener of a gentleman's estate in Massachusetts, 6 years experience in America. Best recommendations from present employer. Address "Gardener," care of HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 89 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/2 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE—1200 ft. of good 4 inch pipe; also large sectional Sunray boiler. Apply to Mrs. H. Baeppler, Teaneck, P. O. Bogota, N. J.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

NEW ENGLAND FRUIT SHOW.

The New England Fruit Show, which is to hold its exhibition in Horticultural Hall, Boston, Mass., October 19th to 24th, is organized wholly to promote better fruit growing in these states. All indications point to a tremendous exhibition and a very large attendance of those interested in fruit growing. The effect of this enterprise cannot be other than healthy, and it is believed that it will do much to stimulate a revival of interest locally in this branch of horticulture in which New England at one time held a leading position.

Landscape Gardeners

Now is your opportunity to get a lot of fine large shrubs and evergreens. I have a grand collection of shrubs suitable for this climate, grown here one plant of which will make as much show in a bed as three of the average stock that is put out. This is a rare opportunity to get such stock.

J. J. McMANMON, Nurseryman, Lowell, Mass.

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POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

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CHICAGO, ILL.

Obituary.

John Forbes.

The death of John Forbes of Hawick, England, one of the foremost men in the trade, who two years ago received the Royal Warrant as nurseryman to His Majesty the King, will recall to florists in this country his notable exhibit of phloxes, East Lothian stocks, etc., at the St. Louis Exposition in 1904, for which he received a gold medal. Mr. Forbes was a man of strict integrity and upright character.

Edward T. Alburger, Jr.

Died, September 22, 1909, Edward T. Alburger, Jr., son of Edward T. and Mary E. C. Alburger, in his 33rd year. The funeral services took place at the residence of his parents, Baker and Dupont streets, Manayunk, Pa. Interment at West Laurel Hill Cemetery. The deceased was a distinguished civil engineer and was connected with the local bridge building works near Manayunk. He was not connected with his father in the florist business, although he took a keen interest therein. The sympathy of the trade is freely extended to the family in its bereavement.

Thomas J. Johnson.

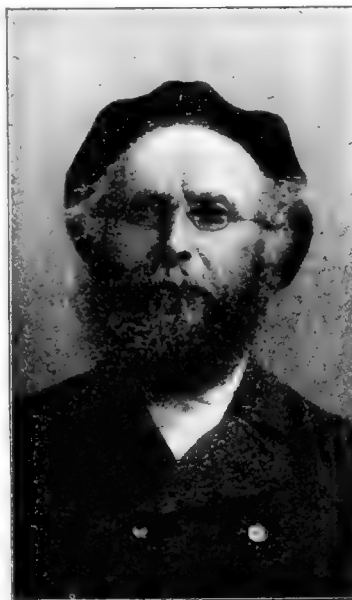
Thomas J. Johnson, colored, for three years a retail florist at 399 31st street, Chicago, died Sept. 26.

PETER BARR—A REMINISCENCE.

The writer's sketch and portrait of Peter Barr, whose death has just been reported, appeared in a contemporary, July 23rd, 1898—after spending an intimate week with him in Philadelphia and another three days' constant companionship at Atlantic City. The mellowing experience of eleven years has but confirmed the strong impressions the wonderful personality of this great man made on him at the time. Mr. Barr's passing away full of years and honors was not unexpected, and yet it seems but yesterday since one of his cheery letters from Scotland giv-

ing explicit directions for the pilgrim to reach his sylvan retreat came to hand, and was the basis of some plans for the near future that will now have to be modified.

Peter Barr was a seedsman from boyhood to the end of the chapter. But like many another celebrity in that profession, he was more than a mere merchant. He was an enthusiast in horticulture. Catholic in his sympathies and a keen observer, he had the helping hand and the encouraging word for every specialist and pioneer in that broad field. He even had hobbies himself—the three most conspicuous of which were, according to his own ad-



PETER BARR

mission, May Tulips, Peonies, and Dahodils. So much did his confreres and the general public in Great Britain appreciate his work in that connection, that he had the honor of being one of the "celebrated sixty" to receive the Victorian Medal for "distinguished services rendered to Horticulture" during Queen Victoria's reign. Mr. Barr was justly proud of this distinction and never failed to allude to it with pride in the course of conversation. A King crowned but yesterday could not have been more innocently flattered.

With all that, he was a very democratic gentleman, and it is now recalled with amusement how, being located in Philadelphia bag and baggage at a swell club he was in the course of an afternoon's ramble introduced to that wonderful personality, the late Peter S. Dooner (of Dooner's Hotel—a medium-sized but select caravansary) he was inside of five minutes powwowing over a table with the afore-said P. S. D. (also gone to his reward

some three years ago), completely ignoring the piloting committee for over three-quarters of an hour, and finally winding up by sending the porter for his lares and penates to be moved instantly to Dooner's. His naive explanation of this action was that he liked to see a little more than "silver and cold water on the table." The two Peters were great friends ever after. It was a case of love at first sight.

The writer is proud that he knew Peter Barr, proud of Mr. Barr's achievements in the same field in which he is a humble laborer, and proud of the privilege to drop this jonquil to his memory. To paraphrase one of the greatest of Scotland's national poets:—

"The latest throb that leaves our heart
While Death stands victor by;
That throb, O Peter, is thy part.
And thine the latest sigh."

Peter Barr had great gifts and he used them well for the benefit and pleasure of his fellow-men. A glorious record to leave behind.

G. C. WATSON.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 3 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 3 1/4 " " "	5.25	120 7 " " "	4.30
1500 3 1/2 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 11 " " "	3.60
390 5 " " "	4.51	24 12 " " "	4.80
310 5 1/2 " " "	3.78	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N.Y. August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
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3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

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Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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GREENHOUSES BUILDING OR CONTEMPLATED.

Woburn, Mass.—Joseph Farrell, one house.

Nashville, Tenn.—Joy Floral Co., improvements.

Evansville, Ind.—Louis Fritsch, carnation house.

Sault Ste. Marie, Mich.—P. Rawlinson, additions.

Port Arthur, Tex.—C. H. Crawford, range of houses.

So. Royalton, Mass.—Chas. Stewart, one house.

Grand Rapids, Mich.—W. Cukerski, four houses, (18,000 sq. ft.)

Poughkeepsie, N. Y.—B. Fieroband, two violet houses, each 35x250.

Haverhill, Mass.—Haverhill Rose Conservatory, rose house, 30x300.

Oakland, Calif.—Gill's Floral Depot, two propagating houses, each 20x100.

Independence, Kan.—Robert Bunnar, two houses, one 24x120, one 35x120.

The new addition to the Minneapolis Park board greenhouse is well under way, but will take from two to three weeks yet to finish it. Lord & Burnham are the contractors.

PATENTS GRANTED.

- 932,424. Pipe Coupling. John W. Anderson, Rossmoyne, O.
 932,618. Lawn Sprinkler. Joseph C. Kunz, Fresno, Cal.
 932,805. Pipe Coupling. George E. McLaughlin, Huntington, W. Va.
 932,872. Weeding or Chopping Hoe. Thomas J. King, Richmond, Va.
 932,958. Lawn Spray Nozzle. Thomas Cadwallader, Salem, Ohio.
 932,972. Plant Protector. Edwin R. Drake, DeLand, Fla.
 933,900. Lawn Sprinkler. Peter Goemaere, Detroit, Mich.
 934,118. Machine for Measuring and Packing Seeds. Frederick W. Wild, Jr., Baltimore, Md., assignor to Burt Machine Company, a Corporation of Delaware.
 934,361. Grass Catcher for Lawn Mowers. Fernando Roush, Le Mars, Iowa, assignor of one-half to George C. Countryman, Le Mars, Iowa.

McManmon of Lowell, Mass., reports an unusual demand for young American elms, especially from distant points. This is very reassuring as the ravages of the elm leaf beetle in recent years has hurt the call for this, the most graceful of all street trees. The beetle can be controlled by proper spraying. Mr. McManmon has in stock a fine lot of transplanted shapely evergreens for tub use.

PRATT'S
"SCALECIDE"
 Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
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EVERY
TIME**

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Holds Glass Firmly
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For Horizontal and Upright Boilers

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We carry stock sizes of the Mahoney and Tupper grates up to 50 in. long; these grates are all 6 in. wide, 2½ in. bearing, 50 % air space, and weigh 50 lbs. to square foot.

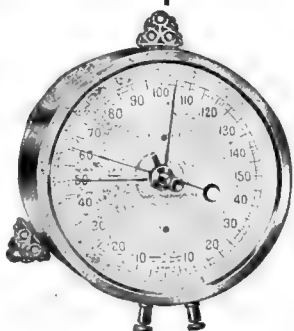
The Double Bar Grate is 3 in. wide, single bars are 1½ in. wide, 2 in. bearing, and weigh about 45 lbs. per square foot.

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STANDARD THERMOSTAT

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DEAR SIR:—The "I" Thermostat gotten from you last winter worked with perfect success and is as much better than our old one as the modern watch is ahead of the sand clock. Should we need any more or could make a sale, you will hear from us. Yours respectfully,
FLORIST AND SEEDSMAN, JOHN F. RUPP.

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A Connecticut florist writes us after his first order, "I cheerfully enclose herewith \$35.80 for two machines. No difficulty whatever was experienced in erecting and I am immensely pleased with the ease of operation." An Ohio florist says, "Your machines certainly work nicely." Pa. says, "Your machines are number 1." Try it and you will buy. That is all we need.

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CYPRESS SASH BARS 32 feet or longer HOT BED SASH PECKY CYPRESS BENCH LUMBER

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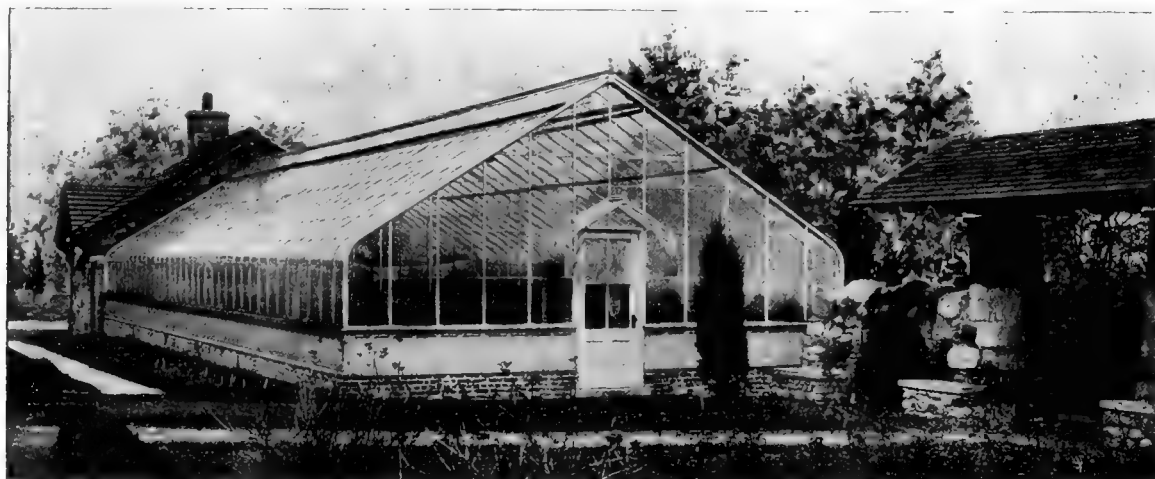


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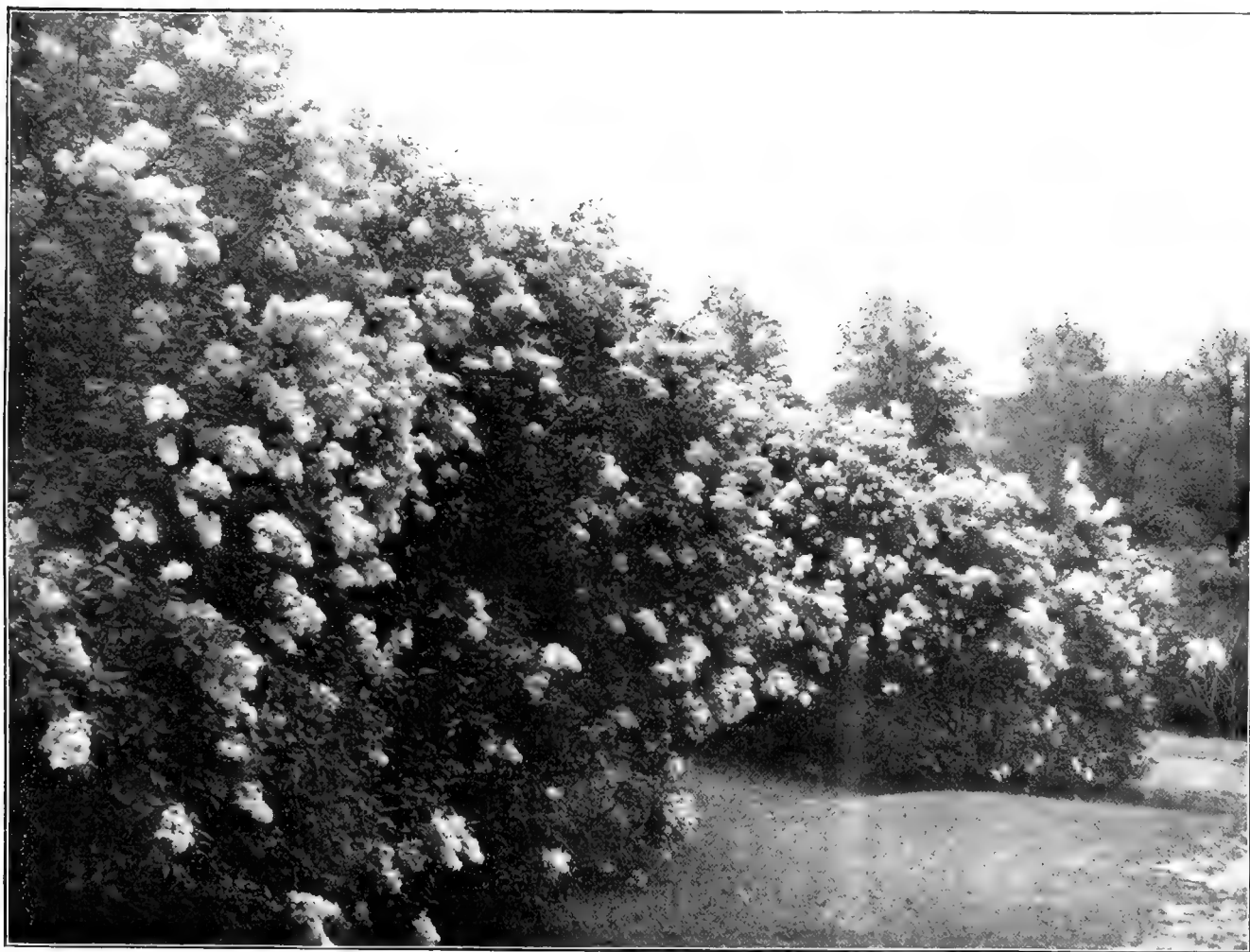
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HORTICULTURE

Vol. X. OCTOBER 9, 1909 No. 15



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Plants with 6 to 9 bulbs.....	7.50	55.00	
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The above prices are net wholesale and no discount of any kind will be allowed.

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In perfect condition.	Each	
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At from \$1.00, \$2.50, \$3.00 to 3.50		
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Fine plants at \$1.00 and.....	1.50	
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Plants with 3 to 4 bulbs.....	3.00	
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Plants with 3 to 4 bulbs.....	\$12.00	\$90.00
Plants with 6 to 7 bulbs.....	24.00	180.00
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In enormous quantities for exhibition purposes and cut bloom grower. Choice varieties selected from large importations. Choice named, well known and certificated hybrids.

Stuart Low & Company beg to call the attention of lovers of Orchids in the United States to their large, varied and well grown stock which is being frequently augmented by large importations. Also their large and well grown stock of Roses—**FRUIT TREES IN POTS—TRAINED GOOSEBERRIES AND CURRANTS**—Fruit Trees for outside planting. Catalogues on application. Estimates free.

**STUART LOW & CO., BUSH HILL PARK,
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We desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a very unique and distinct novelty,—as distinct from Piersoni and Elegantisima as they were from Bostoniensis. It is, in fact, a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It was awarded a **FIRST-CLASS CERTIFICATE** by the Royal Horticultural Society, at Crystal Palace, London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of this fern as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities.

Fine, strong plants, 2½-in. pots, \$15.00 per 100; 4-in. pots, \$25.00 per 100;
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ORCHIDS IN BLOOM ROEHRS, Rutherford, N. J.

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Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000,

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THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

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2½-in., \$40.00 per 1000; 8½-in., from Bench,
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

Notes from the Arnold Arboretum

Among the genera new to cultivation one of the most beautiful is *Dipelta* belonging to the Caprifoliaceae and allied to *Diervilla*. *Dipelta floribunda* is a shrub with opposite short-stalked leaves oblong or elliptic-oblong in outline, long-pointed and from two to three inches long. The white and pinkish, campanulate flowers are about one and one-third of an inch long and produced in great profusion along last year branches in three to seven-flowered clusters. The rather conspicuous dry fruit is with its large wings almost orbicular in outline and measures about three-quarters of an inch in diameter. A second species, *Dipelta ventricosa*, is similar to the preceding, but the flowers are wider and purplish red outside, while inside they are white with orange markings.

A very interesting new genus belonging to the Hamamelidaceae is *Sinowilsonia* named in honor of Mr. E. H. Wilson, one of the most successful collectors in the history of plant introductions. Its only species is *S. Henryi*, a small deciduous-leaved tree from ten to thirty feet high. The alternate short-stalked leaves are obovate to broadly elliptic, finely toothed at the margin, from three to six inches long and slightly stellate-pubescent on both sides. The small rather insignificant flowers are dioecious and are disposed in slender upright racemes about four inches long; this, however, refers only to the pistillate plants, the staminate ones being still unknown. The fruit is similar to that of our Witch hazel, but smaller. The tree will probably be hardy here.

To the same family as the preceding belongs *Sycopsis sinensis*, a small evergreen tree from fifteen to twenty feet high. The alternate stalked leaves are oblong to ovate-lanceolate in outline, pointed, entire or slightly and sparingly toothed and from two to three inches long. The dioecious flowers appear in small axillary stalked clusters, the staminate ones being rather conspicuous owing to their numerous exerted stamens. The fruit is a capsule similar to that of the preceding species. The tree will probably not be hardy in this region.

A new genus of climbing shrubs is *Clematoclethra* belonging to the Dilleniaceae and related to *Actinidia*. Several species of it are known from China; they are all high climbing shrubs with deciduous, alternate and slender-stalked leaves ovate to lanceolate in outline, pointed, finely toothed at the margin and from three to five inches long; they resemble somewhat those of *Clethra*. The white cup-shaped flowers are rather small and appear in few-flowered stalked clusters in the axils of the leaves. The berry-like fruit is scarcely more than half an inch long. The *Clematoclethras* resemble in their general appearance *Actinidia* and are probably of the same hardness.

Evodia rutaecarpa is a large shrub or small tree attaining to thirty feet in height and resembles *Phellodendron* in foliage, but differs markedly from that genus in its capsular fruits. It is also related to *Xanthoxylum* but easily distinguished by the opposite, not alternate, leaves which exhale when bruised a pungent odor. The large pinnate leaves are with the stalk eight to twelve inches long and are composed of seven or nine ovate to oblong, pointed leaflets. The insignificant flowers appear in large terminal corymbs from four to six inches across and are followed by the small capsular fruits dis-closing when opening glossy dark brown or nearly black

seeds. The tree will probably be as hardy as *Phellodendron*.

A very interesting genus is *Dipteronia* with only one species, *D. sinensis*, closely related to *Acer* and forming with that genus the family of *Aceraceae*. It is a small tree from fifteen to twenty feet high with large pinnate leaves composed of ovate coarsely toothed leaflets and with small white flowers in large conspicuous terminal panicles. The fruits consist like those of *Acer* of two winged seeds, but these are surrounded equally on all sides by the broad wing and oval in outline.

Alfred Rehder.

What 1909 Has Taught Us About Peonies

THE GLUT AND THE MIXTURES

There is a glut of common varieties. The rushing into the growing of peonies by every small nursery—the seedsmen—the cheap rose grower who caters for rose buyers at twelve for a dollar—and the amateurs who sign themselves as specialists—has brought it about.

There will be no further use in America's going to Holland to get peonies, or even to get them mixed to suit. How can growers who delegate the work to hired help ever know how badly the roots are mixed? And can seedsmen and such ever keep them straight? The past year has proven to me that eternal vigilance is the price of rows of true peonies. A small grower who does it well, will have his hands full with only a small patch.

NEW VARIETIES OF DISTINCTION

The newer varieties which have been noticeable, are all of the wide petal flowers. The blooms are extra large and the petals are wide and incurved, giving the flower a grand effect. Such varieties as *Rosa Bonheur*—*Therese*, *Germaine Bigot*, *James Kelway*, my seedling *Georgiana Shaylor* and the latest *Lady Alexandra Duff* are this class. There are no better peonies in existence, unless some of the newer introductions, such as *LeCygne*, *Soulangue*, *Mignon*, *Francois Rosseau* and *Mme. Jules Dessert* should develop in the next year or so to be better. These latter peonies are the latest French varieties, and I am impatiently waiting to see what they will become when well established.

DEMAND FOR COLLECTION

There is a growing demand for collections of peonies which are really of the first-class. Buyers are getting to be very critical. The grower who succeeds must be progressive, and be able to furnish the best. He cannot hope to meet this demand by making up ready-made collections. Such collections are very generally made up around one or two first-class varieties, and the rest as fillers. No matter if they are called the *Challenge of the World* or *Unapproached by Anything* in existence. Another thing noticeable is that the best peonies are not plentiful. It is hard to keep a stock ahead of such varieties as *Therese* and *Rosa Bonheur*. The very dry weather has caused some rust on certain varieties. The best way to do in this case is to cut off the stalks and burn them.

THE OUTLOOK

The outlook for peonies is good enough. The glutting

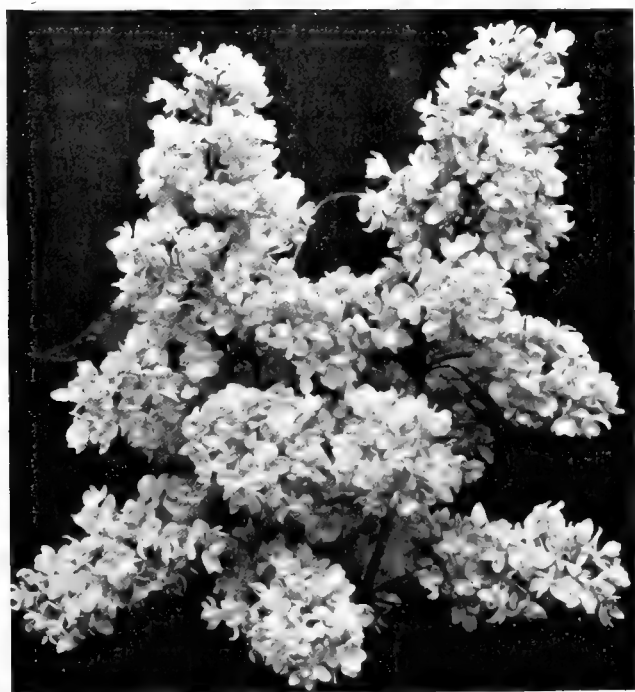
of the market by the influx from Holland was just what was needed to teach America to go slower and not buy peonies because they were cheap. They can now see that although cheap they are worthless. There will be piles of them to go on the dump to clear the land for something better. The lesson will be dear to some, but on the whole, it will be well deserved. I look for a steady and sound growth of the sale of choice varieties right along.

E. J. Shaylor.

Wellesley Hills, Mass.

The Lilac

The Lilac is so well known and highly valued that it seems almost idle to make an effort to increase its popularity, and yet so many desirable varieties have been



LILAC EMILIE LEMOINE

added to the collections during the last few years, that lovers of this flower should become acquainted with them and enjoy them.

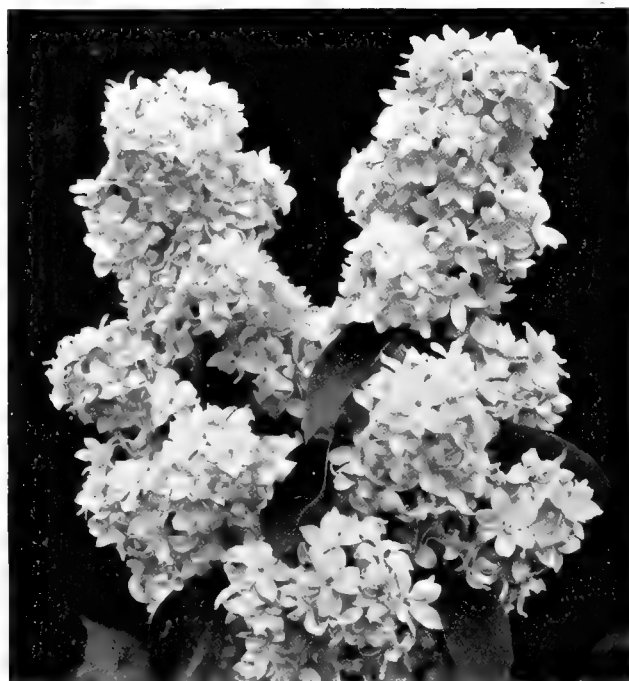
The lilac is known and grown generally because of its hardiness, richness and freedom of bloom, its delicate fragrance, handsome foliage, good habit, vigor, healthfulness and easy culture.

Grown singly or in masses its effect upon the lawn is always pleasing and satisfactory, and every one who possesses a lilac bush or bushes feels that he has something valuable, that will give a good return regularly every year. The older the bush is, providing it has been taken proper care of, the better the yield of flowers. And this is a desideratum—all things do not improve with age. Oftentimes we see bushes flowering profusely under the most adverse conditions, having been neglected and even abused at times. So we can very properly conclude that the lilac is for the masses, those who

are without gardeners or whose places may not be the best for gardening purposes, as well as for those who are fortunate enough to own large properties, with ample help to take good care of everything.

In May when the lilac is in flower, admiration is expressed for it on every side; even the most indifferent observer cannot restrain himself from manifesting his appreciation of the flower, praising its beauty and expressing a wish that it might be employed more frequently than it is in garden work. The gardener realizes that in this shrub we have particularly valuable material for gardens and parks, and recently unusual interest has been taken in it. Great collections, embracing hundreds of varieties, have been planted at the Arnold Arboretum in Boston, and at Highland Park in Rochester. This year at Highland Park, when the lilacs were at their best, they were inspected by over 30,000 visitors in one day, who had only words of appreciation and admiration for them.

It certainly is very gratifying to note that this flowering shrub is growing in popular estimation. One reason for the new interest manifested in the lilac is that during the last ten or fifteen years many beautiful new sorts have been introduced. These varieties come principally from France, being the production of the celebrated horticulturist, M. Lemoine. Great credit is due him for the many choice sorts which he has originated and sent out. They are mostly doubles of rare beauty and excellence. Nearly every one is familiar



LILAC ABEL CARRIERE

with the single flowered lilac, but not so many know the double flowered. The individual flowers of the double sorts are perfect in their formation and the panicles are of the largest size, and the bushes flower as freely as do those of the singles.

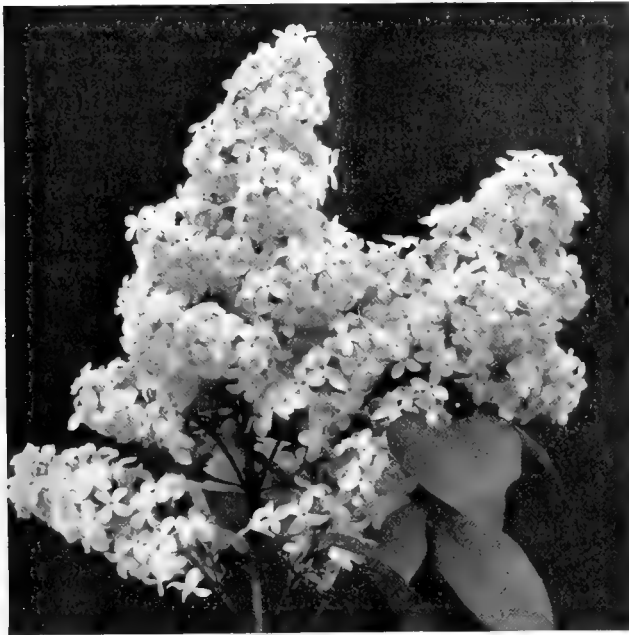
President Grevy is one of the most beautiful, each individual flower is perfectly formed, the panicle is very large, and the color is a light blue. One who sees this charming sort for the first time will be surprised and delighted, and the question will naturally be asked—how was this accomplished? The answer will have to come from M. Lemoine.

Among the many varieties he has sent out it is diffi-

cult to choose those which can be called the best, each variety having peculiarities which distinguish it from the others, and yet, when all are placed together, there is perhaps a similarity or likeness; still there is enough variation to constitute a difference, and certainly they are all marvelously beautiful, and planted separately or in groups, they will be highly ornamental and interesting.

The lilac may be employed advantageously in a variety of ways; for hedges, screens, massing, for shutting out objectionable views and hiding unsightly buildings—or when planted alone, it makes a good bush, it grows rapidly, flowers profusely, has good thick foliage, is free from insects and always looks well.

In lilac time we should be able to keep the house continuously decorated with blooms placed in large, deep vases to hold the long stems. Lilac time should be celebrated in every home, and made a feature marking a period which can not only be looked forward to with delightful anticipation, but recurred to as an event with pleasant memories.



LILAC PRINCESS ALEXANDRA

Other remarkable double sorts of Lemoine's may be named as follows:

Belle de Nancy, delicate satiny rose color; Charles Joly, large panicle, flowers reddish purple; Comte de Kerchove, large, compact panicles—flowers ashy rose color; Madame Abel Chatenay, pure white—this is a gem. Emile Lemoine, beautiful lilac-rose; Louis Henry, violet-rose—distinct shade; Prince de Beauvan, very large panicles—flowers slaty color shaded with violet; Madame Casimir Perier, another double white—beautiful; Alphonse Lavalle, very large panicles, beautiful blue shaded violet; De Humboldt, flowers violet rosy purple; La Tour d'Auvergne, flowers very double and large, violet-purple; Marechal de Bassompierre, rose, velvety bud; President Carnot, pale lilac; Souvenir de L. Thibaut, flowers very large, round, regular, red, with reverse of petals white; Maxime Cornu, lilac-rose. I might enumerate several other doubles, all of them interesting and exceedingly beautiful, but it would make this list too long.

Coming to the singles, there is Princess Alexandra—

pure white, with large, long panicles. The plant is very vigorous, grows erect and flowers very freely. It is by far the best single white lilac. It originated in Canada and was sent out by Ellwanger & Barry some years ago. Marie Legrave is another white, quite well known and much prized, but it is a dwarf grower. *Cærulea superba*, introduced by Ellwanger & Barry many years ago, holds its own, and may still be regarded as one of the best of its color, which is a beautiful blue.

The Rouen Lilac—or *Rothmagensis*, is an old variety which should not be overlooked. It has reddish flowers in large panicles, and the habit of the shrub is singularly graceful. *Lovaniensis* is a beautiful pink sort, and Jacques Calot is another of a similar shade—both are distinct and charming. Ludwig Spaeth is a superb dark sort, as is Congo, of a vinous red color. Gloire de Lorraine, red in bud, lilac when open; Rouge de Trianon, reddish lilac; Geant des Batailles, lilac with red; Aline Mocquery, purplish red, very fine.

I could name a number of others of recent introduction which will be highly prized by flower lovers, but they are not yet to be obtained in the nurseries, so that it would not be advisable to refer to them at present.

Lovers of the lilac can have the flowering season considerably extended by planting *villosa* and *Japonica*, the former light purple, and the latter creamy white, but odorless. *Japonica* attains to the size of a small tree and bears great panicles of flowers in midsummer. Neither has the delicate perfume for which the lilac is so much esteemed, but flowering, as they do, some weeks after the others, they will be found very useful and ornamental.

As I have already stated the lilac improves with age, old bushes being literally covered with blooms. Some varieties are shy bloomers while young, and we occasionally hear of instances where planters have become impatient at the tardy flowering of the plants, while other varieties blossom freely even while young.

The lilac needs little pruning, except that occasionally the knife may be employed to keep the plant in good shape. It is a good plan to remove the faded blooms at the end of the flowering season.

As the lilac starts to grow early in the spring it is best to plant early, and fall planting may be strongly recommended where possible.

The lilac endures bad treatment but responds quickly to care, and the blooms are greatly improved on plants which have received proper attention.

I hope in the near future to submit a supplementary list containing many remarkable kinds which are sure to receive from the public prompt appreciation, when their beauties can be seen and their merits understood.

H. C. Barry

Rochester, N. Y.

Are You A Subscriber?

Just a line to the reader who does not subscribe for this paper, to tell you that we shall be glad to add your name to our list. You will be in good company, for the foremost nurserymen, seedsmen, florists and gardeners are well represented on HORTICULTURE's mailing list. The price is within your reach—\$1.00 for 52 weeks—and you will be doing your little share to promote the development and growth of HORTICULTURE.

HORTICULTURE

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surance of \$10,000 against damage by wind, which we understand was in force, will go a long way towards rebuilding and we hope it will be found practicable to repair the building and restore the collection of rare and beautiful ferns and tropical vegetation to its former condition.

Mutual

relations of

wholesaler and retailer

The tone of our reports from flower trade centres seems to indicate that the wholesale and retail trade have not yet arrived at that period of peaceful harmony called the millennium. Each can still detect failings in the other for which he would be ready and willing to prescribe a remedy at any time. The protest by the retailer against the supplying by the wholesale dealer of any flowers to the consumer direct is an old one. It was "old enough to vote," long ago—in fact, is as old as the wholesale business itself, yet it bobs up today as nimbly as ever and "time, the wisest counsellor of all," seems not to have made any visible impression on either side. We don't think the wholesaler questions broadly the justice of the retailer's contention. In fact, any call for flowers by the public must be, in any well-ordered wholesale house, something very much in the nature of a nuisance but if they are to agree to comply with the demand of the retailer that they shall refuse all such business, then there does seem a compensating justice in the wholesaler's insistence that the retail dealer shall in turn support him loyally and not tamper with the latter's sources of supply by dealing direct. We do not doubt that every wholesaler in the country would be glad to sign off all his rights to supply flowers even for his own grandmother's funeral in exchange for legitimate protection against direct overtures to his growers. Of course, conditions vary greatly in different markets, but, under any circumstances, a middle ground on which all concerned could agree ought not to be an impossibility.

Now

get busy

Views as to the business situation and outlook, in horticultural lines, vary somewhat. Many see evidences of returning prosperity in the heavier orders for goods, others in the more prompt settlement of accounts, still others in higher values on whatever they have to sell. A glance through our advertising columns this week will go far to convince the reader that there are some houses—and very representative ones they are—that believe in the oft-quoted old adage that "the best way to resume is to resume." That the houses showing this enterprise at the present juncture will keep far in the van of their fellows who lack the courage to come forward in modern business fashion, nobody can doubt. The man who gets busy now on right lines is destined to come in for a good hustling trade during the season just starting and we can imagine no way in which one can better help towards the realization of a "bigger, better and busier" horticulture than by buying liberally from those advertisers who favor with their patronage and support a paper which so well represents the best men and the most advanced phases of the business as does this issue of HORTICULTURE. There is wisdom and inspiration in good measure to be drawn from the words of the able men who have so willingly given their best thought and advice for the benefit of our readers. In the credit for having thus given "a good push and a push all together" for the advancement of the general prosperity, correspondent and advertiser share equally and we hope our readers will take due notice thereof.

After the

cyclone

HORTICULTURE extends its sincere regret to New Orleans over the destruction of its horticultural building and contents in the memorable cyclone of last week. The in-

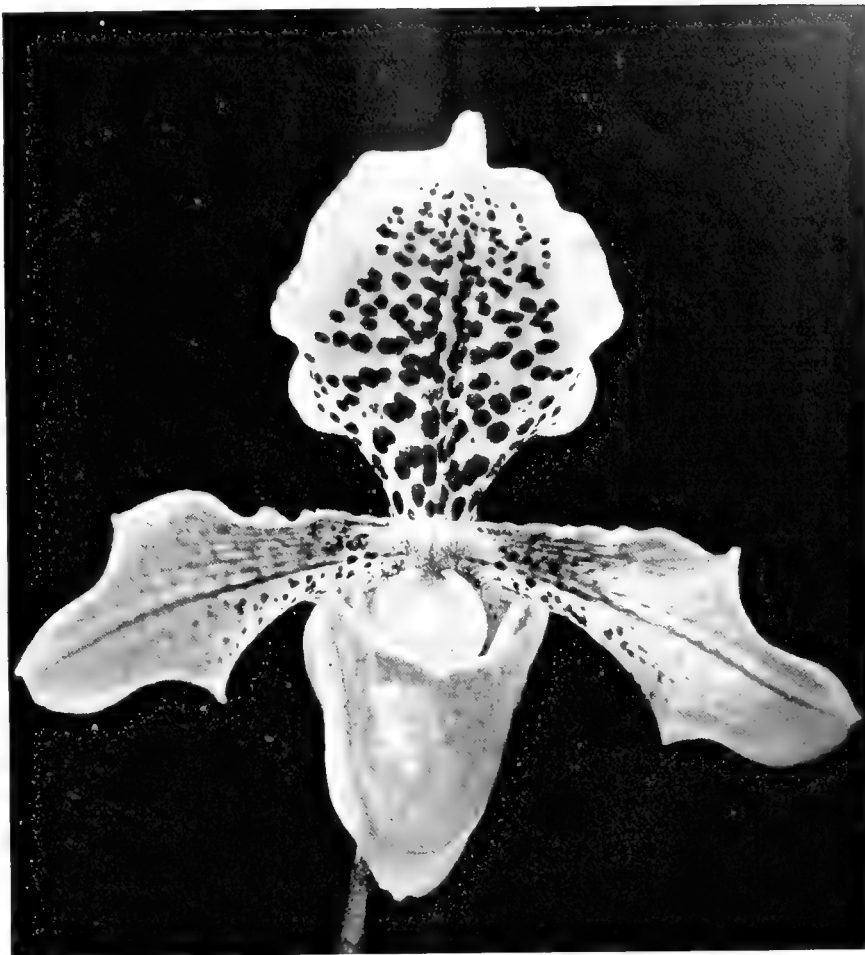
Cypripedium Sallieri maculatum or C. nitens

Cypripedium Sallieri maculatum or *C. nitens maculatum* as it should be called is a beautiful hybrid between some good variety of *C. insigne* and *C. villosum*. The center of the large dorsal sepal is a fine shade of green, spotted with almost black and surrounded by a broad band of pure white. The color of the petals and pouch are about the same as in ordinary forms of *C. insigne*. As to size and shape of the flowers the photograph speaks for itself, being a life-size reproduction of the flower. It is a very free grower and bloomer.

Our stock was obtained from Siebrecht & Sons of New Rochelle, N. Y., who claimed to be the raisers of the hybrid, but recently Lager & Hurrell of Summit, N. J. carry the same thing in stock.

M. J. Ope

Naugatuck, Conn.



Notes from Britain

THE LARCH APHIS IN SCOTLAND, ETC.

The members of the northern branch of the Royal Scottish Arboricultural Society of Scotland on their excursion to the estate of Fasque in Kincardineshire were conducted by Mr. A. Dewar, the factor on the estate for Sir J. Gladstone, Bt., to inspect the great damage done by Aphis to young larch trees—many of the latter being dead or nearly so. The Japanese larches were on the contrary quite free from the pest. Sir John Gladstone who accompanied the visitors drew attention to two magnificent larches, one on either side of a drive. These trees are about 80 feet in height, and perfectly straight in the bole. A fine specimen of the common beech, standing on the lawn in the front of the castle measures 15 feet, 6 inches in girth, at breast height. This tree was planted with others in 1707 to commemorate the union of England and Scotland.

ROYAL HORTICULTURAL SOCIETY'S SCIENTIFIC COMMITTEE

At a recent meeting of this body Mr. W. Cuthbertson made some observations on the Spencer type of sweet peas having been found a poor seed producer, showing flowers and photograph of flowers. The causes he considered to be the following. First—The keel is not constricted and consequently the stigma and anthers are not pressed together as in the older type of flower. Second—The keel being open, contributes to the dropping of the pollen to the bottom of the keel without

coming in contact with the stigmatic point. In the old type of flower this could scarcely happen. Third—In many of the waved forms the style grows beyond the anthers before these separate (dehisce), and the point is thus not brought into contact with the pollen. Fourth—In some, more especially salmon and orange colored varieties, the anthers are nearly sterile. Fifth—The waved standard does not, although large, act as an umbrella in bad weather. The Unwin, a moderately waved type of sweet peas is an abundant seed producer; the keel resembling in form that of the old form of keel.

ACTINIDIA CHINENSIS, ETC.

It is a woody climber belonging to the natural order *Ternstroemiaceae*, and a native of China, as *A. arguta* is of Japan, and also a climber possessed of much vigor and retaining its leaves till late in the autumn. *A. chinensis* has sub-orbicular leaves, and yellow flowers about 1 1/2 inches in diameter, borne freely on the mature growths in its native country. In order to obtain fruits it is advisable to plant male and female plants in near proximity to each other. The fruits are of a russet green color, ripening in October and are excellent for dessert and preserving. When planted out of doors a warm position for the plants should be chosen, such as suits the peach in Great Britain. The plant was figured in *Gardeners' Chronicle*, July 31, of the present year.

Frederick Moore

FLORISTS' CLUB OF PHILADELPHIA.

Joseph Heacock was elected president, Alfred Burton, vice-pres., Geo. Craig, treas., and D. Rust, secy., at the annual meeting held on the 5th inst.

Reports for the year were made by the retiring officers. The club seems to be in a reasonably prosperous condition, but the new officers are confident of being able to improve things inside of the next twelve months.

Joseph Heacock, the new president, is well known, both locally and all over the country, as a great grower of American Beauty roses and palms.

Alfred Burton, the vice-president, while a younger man, has already won his spurs in the arena, and is a worthy representative of the craft. He is a son of John Burton, and conducts a range of greenhouses nearby. Alfred Burton is a modest man and makes no



ALFRED BURTON
Vice-Pres. Florists' Club of Philadelphia.

promises, yet we know that he will make a good official and ably supplement the progressive Joseph Heacock in the handling of the reins of the pioneer Florists' Club of America.

David Rust and George Craig, the secretary and treasurer, are carry-overs, and we have given their pedigrees before, so there is no necessity of telling anything about them at this time. They are "all right" and will do their level best to help out the club in its laudable ambition to make the florists' trade "bigger and better" from now on. There's lots of room for improvement!

We missed Wm. K. Harris at this meeting and understand he is pretty low again. We trust his wonderful stamina will stand him in good stead once more.

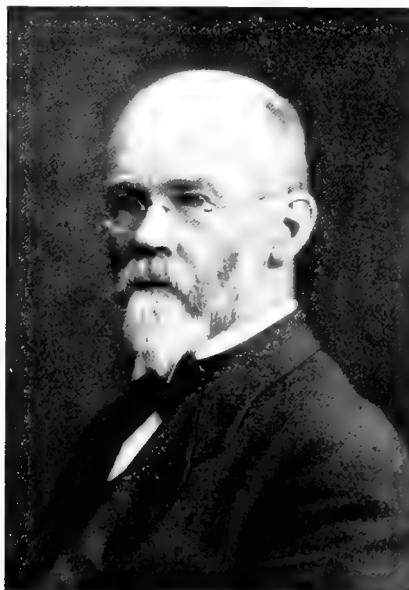
John T. Gibson, who was on the sick list among convention delegates, was on hand, hale and hearty.

A discussion on carnation plants took place. Crops have been short. The consensus of opinion seemed to be in favor of pot-grown plants.

NORTH SHORE HORTICULTURAL SOCIETY.

At the last meeting of this society Maurice Fuld talked on the subject of dahlias. A lecture on Birds by Mr. Forbush is scheduled for October 15.

On September 24 was held the first incorporation meeting of the society. A clerk was chosen and most of the by-laws adopted. The meeting adjourned till October 8, when it is expected to get the rest of the business transacted and papers ready for the corporation commissioners.



JOSEPH HEACOCK
President Florists' Club of Philadelphia.

LENOX HORTICULTURAL SOCIETY.

The regular meeting of this society, Saturday, Oct. 2nd, was largely attended. Messrs. G. Foulsham, W. Jack and A. Bond, were appointed arrangement committee for the forthcoming exhibition which will be held in the Town hall, Lenox, Oct. 26-27, and promises to be one of the best the society has ever had. Special interest is centered on the group of miscellaneous plants arranged for effect to occupy space 8 x 13, for which Henry A. Dreer offers a silver cup to be won twice before becoming property of exhibitor. This cup was won by E. Jenkins in 1907 and in 1908 by F. Heeremans. Some very fine groups of orchids are expected and the classes calling for individual specimens of orchids will be sharply contested. Roses, carnations and chrysanthemums are very promising and competition in the classes for these flowers will be keen. Vegetables, which are always a conspicuous feature of our annual exhibition will be fully up to the standard of past years.

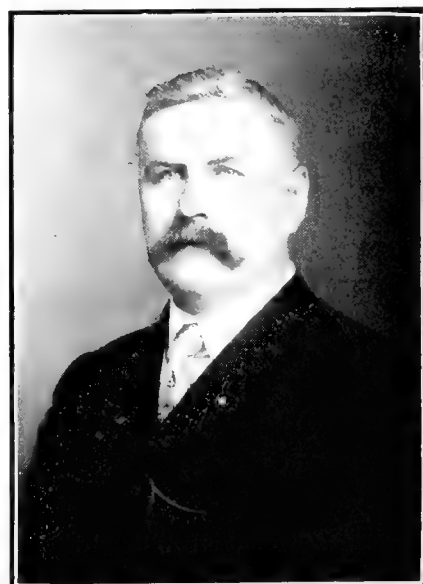
A welcome visitor at the society's meeting was H. A. Barnard representing Stuart Low & Co., Bush Hill Park, Middlesex, England.

GEORGE H. INSTONE, Secretary.

FLORISTS' CLUB OF WASHINGTON.

The October meeting of the Florists' Club of Washington was held at 1214 F. St., on the evening of the 5th inst. It was the day set for the Washington florists especially to visit the Vincent farm at White Marsh, Md. Six of the trade went and expressed themselves as more than pleased at their trip. The show was held open one day more, hoping that more florists would go. The old grievance against the street fakirs was taken up and discussed at much length; those who supply the fakirs also came in for their share of criticism. A circular letter was gotten up by the club asking the co-operation of all the local growers and wholesalers in suppressing the nuisance and also requesting that their attitude be made known by the next meeting of the club.

One new member was admitted, B.



DAVID RUST
Secretary Florists' Club of Philadelphia.

Winkler, a florist at Chevy Chase, Md. A vote of thanks was tendered Geo. H. Cooke for his beautiful decoration of the Washington Florists' Club car, and many regrets expressed that it was not in competition.

FRENCH CHRYSANTHEMUM SOCIETY.

The fourteenth Annual Show and Congress of this society will be held at Marseilles on the 23rd, 24th and 25th of October. The meetings of the Floral Committee are fixed for the 5th, 13th, 23rd and 28th of October and the 9th of November. The Roll of membership now consists of 799 members, inclusive of 61 affiliated societies. The agenda for the Congress includes the following questions to be discussed: Amendment of the Floral Committee regulations, Damping of blooms, Insects and diseases. A small color chart as supplement to the Repertoire des Couleurs, Systematic experiments for manuring plants grown in the open.

C. H. P.

ROYAL HORTICULTURAL SOCIETY.

On September 14 the Hall was again filled to overflowing with flowers and flowering plants in season, particularly the various sections of the Dahlia. To describe and give the names of these would need a large amount of space, and I will content myself by affording readers of this journal a few only of the more conspicuous of the newer introductions of semi-double decorative or Peony-flowered varieties, now so much admired when planted in masses, and at considerable distance from the observer. They can scarcely be termed refined looking, but their large blooms and striking colors and forms, combine to afford a grand display in the flower garden. South Pole is a semi-double, white flower; the entire measuring 7 inches across; King Leopold, canary yellow, and of the same diameter; Miss Gladys Banson, yellowish salmon, 4 inches in diameter; Circle de la Tete, Jeanne Charmet, pale magenta, 7 inches in width; Yellow Colosse, a full flower of a pleasing yellow color, 5 inches in diameter; Mad. Van den Bael, pinkish lilac with deeply channelled florets; Papa Charmet, a fine deep crimson flower, with channelled florets, and having a diameter of 6 inches.

Cactus dahlias were splendidly shown by various specialists, and of striking colors. There were noted Williamsoni, scarlet; Rev. A. Bridge, pink at the tips of the florets, the lower half yellow; Lady Fox, brilliant scarlet with incurving florets; Dorothy pale lilac, and Harold Pearman, a pure yellow flower. The above were observed among the exhibits of Messrs. Cannell & Sons. In the exhibit of dahlias from Messrs. Cheal & Sons, Cawley, show varieties of pure self-colors were noted. Their collection of cactus varieties was very fine.

Messrs. T. Ware & Co. were likewise exhibitors of fine dahlias of all classes, and of a blue double-flowered Aster. A beautiful *Potentilla atrosanguinea* Gibson's Scarlet, a capital hardy border perennial with strikingly pure scarlet blooms mounted on tall stems, was shown by Maurice Prichard of Christchurch, Hants.

A Silver Flora Medal was awarded to Sander & Sons for a group of orchids of which the following were conspicuous, viz.: *Laelio-cattleya Carissima*, a white hybrid suffused with purple which is deepest at the tips of the petals and sepals, the throat having a yellow stain. The limbs of the flower do not expand much and they are terminal on tallish pseudo bulbs; *L.-c. Phoenix*, a cross with *Cattleya aurea* and *L.-c. Henry Greenwood*, has a lip of a rich purple tint, the petals paler and sepals of a buff color with a green suffusion; *Brasso-cattleya Mad.* Chas. Maron-brassavola Digbyana and *Cattleya Gigas*. The flower is 7 inches in width, and of a purple color, the throat having a yellow stain, and a large lip, fringed and furnished with

short hairs at its margin. *Cattleya Iris inversa* var. *Amabile*, is of a purplish orange tint in all its parts excepting the lip, which is of an intense purple color.

Messrs. Stuart Low & Co., Enfield, showed some fine *Cattleyas*, etc.; *C. Harold* var. *Hildegard*, white in all its parts excepting the lip, which is of a purple color, and the throat inside of a pale canary yellow tint. This firm also showed *Sophro-laelia Danae roseum*, a flower of light rosy purple.

Stanley & Co. showed *Cattleya Iris*, out of a cross of *C. tricolor* with *C. aurea*, the flower having sepals and petals of a deep orange tint, and lip of bright purple. From the same cross several flowers were shown, differing in their colors. Some six hybrids of *Cattleya bicolor* and *C. Eldorado*, raised from seeds taken from one capsule, showed marked differences in coloring and marking, and yellow and buff tints were observed in all, and likewise purple in more or less degree. An award of merit was given the exhibitors.

Edward V. Low showed a plant of *Angraecum Eichterianum* with a tall pseudo-bulb 4 feet high having white flowers, alternating with the leaves along its entire height—twelve in all; *Cattleya conspicua superba*, with a purple-colored labellum and sepals and petals of buff suffused with purple.

Sir Trevor Lawrence staged among other things, a nicely flowered plant of *Angraecum Kotschy*, a distinct looking plant of small dimensions, with many flowered racemes, bearing white flowers with reddish-brown tails.

Messrs. McBean and Charlesworth & Co. were also represented by some interesting species and varieties.

FREDERICK MOORE.

CLUB AND SOCIETY NOTES.

At the State Exposition at Oakland, Cal., the commercial exhibitors included C. C. Morse & Co. of San Francisco, E. Gill of West Berkeley, and J. Sculberger of Oakland.

Joseph A. Manda has been appointed manager of the exhibition of the Horticultural Society of New York, which is to be held at the Museum of Natural History, November 3 to 7.

E. A. Corson, East Rochester, M. R. Folsom and Chalmers' Conservatories were extensive exhibitors at the Cold Spring Park fair in Rochester, N. H. J. K. Alexander of East Bridgewater, Mass., won all the first prizes for dahlias.

The Elberon Horticultural Society of New Jersey will hold a chrysanthemum show in Townley Hall, Long Branch, on October 27-28. The committee of arrangements are: Jas. Kennedy, Benj. Wyckoff, A. Grieb, Peter Murray, Mr. Carry, Anthony Bauer and P. Ewin.

At the annual exhibition of the Rhode Island Horticultural Society at Providence, on September 29-30, the prizes on dahlias went largely to the New Bedford growers—W. D. Hathaway, Mrs. H. A. Jahn, W. F. Turner & Co. Asters were shown in profusion. F. P. Howe of Bristol showed some choice grapes for which he received a prize.

The annual meeting of the National Horticultural Society will be held at

Council Bluffs, Iowa, November 15 to 20. Forty-two states, Canada and Mexico will exhibit their varied horticultural products. Prizes aggregating \$25,000 will be awarded in a great many different classes. The superintendent is F. L. Reed, Council Bluffs, Iowa.

The Wappingers Dahlia Society held their ninth annual show in Park Hall, Wappingers Falls, N. Y., on September 17. It was a beautiful display. In the center of the hall was a huge pyramid of decorative plants from the W. P. Clyde estate, gardener H. J. Osterhoudt. The Uplands silver cup was awarded to A. S. Hunt, Jr. The names of Chas. Hilbert, James Ashton, Thos. Boyle and H. J. Osterhoudt are prominent among the prize winners.

PROSPECTIVE EXHIBITIONS.

San Francisco, Calif.—Pacific Coast Horticultural Society and California State Floral Society, Hotel Fairmount, Oct. 14, 15, 16. J. R. Atkinson, 110 Twelfth Av., San Francisco, secretary.

Boston, Mass.—New England Fruit Show, Horticultural Hall, Oct. 19-24. Wilfrid Wheeler, Concord, Mass., secretary.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Oct. 27, 28. E. Reagan, secretary.

Glen Cove, N. Y.—Nassau County Horticultural Society dahlia show, Oct. 14; annual show, Oct. 28, 29. Wm. Mackenzie, secretary.

Pasadena, Calif.—Pasadena Gardeners' Association, Oct. 28, 29, 30. A. McLeod, secretary.

New York, N. Y.—Horticultural Society of New York, Nov. 3-7. Geo. V. Nash, Botanical Garden, Bronx Park.

White Plains, N. Y.—Tarrytown Horticultural Society, St. John's Hall, Nov. 4, 5, 6. E. W. Neubrand, Tarrytown, secretary.

New Haven, Conn.—New Haven County Horticultural Society, Music Hall, Nov. 2-4. F. H. Wirtz, 86 Nicoll St., secretary.

Hartford, Conn.—Connecticut Horticultural Society, Putnam Phalanx Hall, Nov. 3, 4, chrysanthemum show. G. W. Smith, Melrose, Conn., secretary.

Boston, Mass.—Massachusetts Horticultural Society, chrysanthemum show, Nov. 4-7; Orchid exhibition, May 26-30, 1910. W. P. Rich, 300 Massachusetts Av.

St. Louis, Mo.—St. Louis Horticultural Society and Florists' Club, Coliseum, Nov. 9-12. Otto G. Koenig, 6743 Florissant Av.

Toronto, Ont.—Ontario Horticultural Exhibition, St. Lawrence arena, Nov. 10-14. P. W. Hodgetts, Parliament Buildings.

Chicago, Ill.—Horticultural Society of Chicago, Coliseum, date not announced; J. H. Burdett, 1620 W. 104th Place.

Milwaukee, Wis.—Milwaukee Florist Club, Auditorium Building, Nov. 13-16.

Norwich, Conn.—New London County Horticultural Society, November. F. B. Allen, secretary.

JUDGING SCALES.

Our editorial reference in issue of September 18 to the desirability of having some generally recognized scales of points for judging the various classes of flower and plant exhibits has elicited several letters of approval from our readers. We give below a number of such scales as adopted by various societies for general use or for special occasions and hope our readers will make comment upon them if so disposed and send us any additional scales of which they may have knowledge.

Chrysanthemum Society of America.

Chrysanthemums.

Commercial.		Exhibition.	
Color	20	Color	10
Form	15	Stem	5
Fullness	10	Foliage	5
Stem	15	Fullness	15
Foliage	15	Form	15
Substance	15	Depth	15
Size	10	Size	35
100		100	

Single Varieties. Pompon Varieties.

Color	40	Color	40
Form	20	Form	20
Substance	20	Stem and Foliage	20
Stem and Foliage	20	Fullness	20

Total100 Total100

Single varieties to be divided in two classes, the large flowered and the small flowered.

Bush plants and standards, single specimen or any number up to six in an exhibition where the class under consideration does not form the chief feature in the exhibition hall.

Equality of size and form of plant	40
Excellence of bloom	35
Foliage	25
100	

Bush plants, exhibits of more than six or for any number of specimen plants in an exhibition where the class under consideration forms the chief feature in the exhibition hall.

Excellence of bloom	40
Equality of size and form of plant	35
Foliage	25
100	

Plants grown to single stem and one bloom. A height of not over three feet is recommended for plants in this class, and pots not over six inches in diameter.

Excellence of bloom	40
Compact, sturdy growth	35
Foliage	25
100	

American Rose Society.

Competitive Classes.		Novelties for Certificates, Etc.	
Size	15	Size	10
Color	20	Color	20
Stem	20	Stem	15
Form	15	Form	15
Substance	15	Substance	10
Foliage	15	Foliage	15
Fragrance	15	Fragrance	5
Distinctiveness	10	Distinctiveness	10
100		100	

American Carnation Society.

Carnations.	
Color	25
Size	20
Calyx	5
Stem	20
Substance	10
Form	15
Fragrance	5
100	

Newport Horticultural Society.

Dahlias.			
For all classes except Pompons and Tom Thumbs.			
Individual Blooms.		Collections.	
Size	5	Size	4
Color	5	Color	4
Form	5	Form	4
Stem	3	Stem	3
Foliage	2	Foliage	2
	<hr/> 20	Arrangement	3
			<hr/> 20

Minnesota State Florists' Association.

Cut Blooms.		Blooming Plants	
Size	15	Size and Form of Plant	25
Color	15	Form of Flowers	25
Stem	15	Color of Flowers	20
Form	15	Foliage	10
Substance	15	Rarity	10
Foliage	15	Distinctiveness	10
Distinctiveness	10	100	

Designs and All Floral Arrangements.

Adaptability of Design	10
Adaptability of Flowers and Accessories	10
Color Harmony	25
Quality Material	15
Arrangement	15
Workmanship	10
General Effect	15
100	

Decorative Plants.

Cultural Excellence	35
Size	15
Form	20
Distinctiveness	15
Rarity	15
100	

Kansas City Exhibition.

Mantel Decorations.

Quality and artistic arrangement of flowers	50
General effect of whole	50
100	

Table Decorations.

Flowers and their arrangement	50
Non-interference of sight or convenience	20
Arrangement of napery and table ware	20
General effect of whole	10
100	

Lenox Horticultural Society.

Grapes.		Strawberries.	
Size of bunch....	40	Size	50
Size of berry....	20	Color	15
Color	20	Flavor	25
Form	20	Form	10
<hr/> 100		<hr/> 100	
Melons.		Figs.	
Flavor	75	Size	50
Form	25	Flavor	50
<hr/> 100		<hr/> 100	
Peaches and Nec- tarines.		Raspberries and Blackberries.	
Size	60	Size	50
Color	40	Flavor	50
<hr/> 100		<hr/> 100	
Plums.		Cherries.	
Flavor	40	Size	30
Size	30	Color	20
Color	30	Flavor	50
<hr/> 100		<hr/> 100	
Currants.		Gooseberries.	
Size of bunch...	50	Size	50
Size of berry...	50	Flavor	50
<hr/> 100		<hr/> 100	
Apples and Pears.			
Size			25
Color			25
Flavor			25
Form			25
		<hr/> 100	

MONSIEUR VIGER.

This eminent French horticulturist, the President of the National Horticultural Society of France, has recently been nominated a corresponding member of the Royal Horticultural Society of England—a well deserved tribute to his great interest in European horticulture and while offering him our congratulations we must not forget that the nomination was made on the proposition of Sir Albert Rollet, a member of the Council of the R. H. S. whose Anglo-Continental sympathies are well known.

C. H. P.

SOCIETY NOTES FROM ABROAD.**British Dahlia Shows.**

The effects of the trying season were noticeable at the first show of the National Dahlia Society at the Crystal Palace on Sept. 2nd and 3rd. The premier award in the trade section was secured by Messrs. J. Stredwick & Sons, who have in recent years introduced a number of novelties of merit. They received first-class certificates for Red Admiral, Iolanthe, H. H. Thomas (named after the Society's Honorable Secretary), and Indomitable. A new break of long-stemmed Cactus varieties was sent by Messrs. Stredwick, and recommended for trial by the Society next year. The Society held a second show on September 21st, at the Royal Botanic Society's gardens, at Regent's Park. The trade were again well represented by a splendid display of new and old varieties. There were forty new varieties put forward for a certificate, but the committee are now less lavish in awarding these coveted honors. The only varieties receiving a certificate were Prima Donna, a graceful white cactus, shown by Mr. Shoosmith, of Woking; and Tristan, a dark crimson pompon, exhibited by Charles Turner, of Slough.

A Society's Troubles.

For many years the Royal Botanic Society has had extensive conservatories and gardens at Regent's Park, in the northwestern district of London. In recent years the affairs of the Society have not been very flourishing. On the other hand the Royal Horticultural Society in London has in recent years gone ahead, financially and numerically. The question naturally arises "Is there room for two societies?" The Royal Horticultural Society is not desirous of adding to its liabilities by taking over the affairs of the Botanic Society, and apparently would have nothing to gain by the amalgamation. According to one speaker at the annual meeting of the Botanic Society this week, last year it was carried on at a loss of £1,787, with a net liability of over £35,000. They were practically in the same position as that of last year. The Society, he added, had come to the end of its resources, and it was time they faced the position, and saw that the policy of drift adopted by the council must come to an end. A proposal was made with a view of giving authority to the council to negotiate for an amalgamation with the Royal Horticultural Society. The chairman declined to accept the resolution, as not being in order, but promised to consider the suggestion. It will be a great loss to horticulture if the gardens are closed, owing to the Society's unsatisfactory financial position. The conservatories are particularly suitable for the shows of the National Rose Society, the Winter Flowering Carnation Society, the National Dahlia Society, and other organizations which have arranged meetings there. Perhaps a little fresh blood in the personnel of the Society might be advantageous.

W. H. ADSETT.

NEW DAHLIA "BOSTON YELLOW."



THE RAWSON CUP

The handsome new dahlia illustrated herewith, was raised last year by James Robertson of Newport, R. I. At the recent exhibition in Boston by the New England Dahlia Society this variety won the Rawson silver cup—of which a picture is also shown—for the vase of flowers found to be the freshest at the conclusion of the exhibition. It was also awarded first prize at the show of the Newport Horticultural Society in competition with vases of 25 yellow of any type. The color is lemon yellow and the flower has an excellent stem.

SOME ROEHRS SPECIALTIES.

One of the most beautiful pictures to be seen anywhere at the present time is the house of *Oncidium* in full bloom at the Roehrs establishment in Rutherford, N. J. No less than 6000 varicosum blooms were sold from this house in one day this week and they are not missed. *Cattleya aurea* is blooming now—the largest stock of this lovely orchid in the world probably. *Dendrobium Phalaenopsis* is also making a glorious show and *Cattleya labiata* is bursting into bloom by the thousands. Evidently the period of orchid famine is over for a time.

A house of *Celosia Pride of Castle Gould* attracts the eye and admiration of every visitor. They are all in bloom already—yellow, crimson and scarlet—but they will not be at their best for some weeks yet, and for Christmas there will be some specimens worth going a long way to see.

CARNATION DOROTHY GORDON.

Joseph Heacock, who is preparing to disseminate this novelty the coming season informs us that although he has not yet spent anything on printer's ink for it he has already booked orders for about 58,000 rooted cuttings. It has proved to be one of the most profitable carnations ever grown. Last winter he had about 6000 plants and the flowers were all sold at \$12.00 per 100 at the holidays. He says that it gave one-third more flowers than *Enchantress*. This variety is a cross between *Lawson* and *Enchantress*. It

scored 86 points at the exhibition of the American Carnation Society in Washington, D. C., and 90 points at the New York Florists' Club exhibition. The flowers are fragrant and average 3 inches in diameter; color a shade darker than *Pink Enchantress*. The florist will be slow that does not take hold of so good a carnation.

SPOKANE ASTER SHOW.

Herman Thoeny, a veteran grower of Spokane, carried off the chief honors at the aster show by the Spokane Floral Association in connection with the 16th annual Interstate fair in Spokane, Wash., September 20 to 25. The displays, housed in a large tent, were visited by thousands. The judges were Mrs. Joseph Robertson, F. L. Zeigler, and Z. A. Pfile. The displays were the best ever seen in Spokane and the judges complimented the growers on the colors and quality of the flowers and their arrangement. In addition to the wealth of aster displays, there were other exceptionally fine flowers, including prize-winning dahlias and a rare assortment of sweet peas.

The awards in the professional classes were as follows:

Single group, Herman Thoeny, first; silver loving cup.

Display, Herman Thoeny, first; Fred Winters, second; silver medal.

Potted plants, Fred Winters, first. Best executed design, Miss M. Armstrong, first; Frank Burchett, second; silver medal.

Fifty tall growing asters, Miss Frances Burchett, first; Mrs. George Gobel, second; silver medal.

Dahlias, Herman Thoeny, first; Mrs. F. H. Uhls, second.

Mr. Thoeny was also awarded the honorary prize for the best basket exhibit.

A MERITORIUS NOVELTY.

"Novelties" in flowers are, as a rule, "snares"! The planter reads the glowing description in the catalogue of the introducer, buys the seeds, plants, grows, and cares for the "new baby" until its first bloom, which waited and watched for seldom makes good but rather is a disappointment; still the plant is cared for with the belief that the next may be better and come up to the description more closely. In the majority of cases the results are decidedly unsatisfactory; in a few cases only are they of merit.

Such as the latter is *Dimorphotheca aurantiaca*, sent out in 1907 by Messrs. Barr & Sons of London. Reading their description I sent for seed, grew it that year, and again this year have grown it, in each season with success and with satisfaction. As a bedding plant, and edging plant to beds of other annuals it has been very attractive and pleasing and perfectly satisfactory. The growth low and branching, free from insect attacks, the color unique, flowering early, constantly and continuously, it should surely become a "stand by" and an annual for general culture. H.

Our news notes tell us that Ernest Peterson, a Florence, Neb., florist, called a motorman a "scab" and was severely beaten therefore. "Scab" is not horticultural language. If Peterson had called the man a "green-fly" or a "*Coccus adonidum*" he probably would have taken it as a floral compliment. Stick to your knitting, my boy.

NOTES ON NEWER ROSES.

H. E. Molyneux, in *The Garden*, London.

Hybrid Perpetuals.

The Hybrid Perpetuals among newer Roses are few and far between; in a list of the newer roses published in the National Rose Society's Annual for 1909, compiled by the publications committee and numbering nearly ninety distinct varieties, there is only one Hybrid Perpetual—Dr. William Gordon, a 1905 variety—and going through my notes to look for the Hybrid Perpetuals is almost like searching for a needle in the proverbial bundle of hay. Surely the possibilities among the Hybrid Perpetuals have not been exhausted. No doubt the tendency to run down the Hybrid Perpetuals as a class has something to answer for in this connection, and so some raisers with the slightest excuse label their new productions Hybrid Teas rather than Hybrid Perpetuals, which I think is a great pity, for more reasons than one; but we must take things as we find them, and the new rose suffers for the sins of its class. Undoubtedly "Hybrid Perpetual," by a curious paradox, has in the eyes of not a few rosarians come to mean once, or temporary flowering only, and not perpetual in the ordinary acceptance of the term at all. We have heard no more of Mr. Pemberton's suggestions that the time had come for doing away with the terms now in use, nor perhaps are we likely to, unless the proposal to destroy is accompanied by an easily workable and intelligent scheme of reconstruction. I have no doubt when they arrive together the thing will be done; in the meantime we must put up with the inconsistencies and paradoxes of the present arrangement which are manifest. The first Hybrid Perpetual that I have any note about is:—

Barbarossa, sent out by Welter in 1907 and generally described in catalogues as a red Frau Karl Druschki, which is a pity, as it has no resemblance to Frau Karl Druschki as we know it. The color is not bad, but there is a good deal of carmine in it, and I have yet to see a good flower of it. I am afraid it must join that increasing army labelled "not wanted." In other words, it ought not to have been sent out. That is my own opinion, and I have had it confirmed in more than one quarter. No, the red Frau Karl Druschki is yet to seek.

Dr. William Gordon.—Sent out in 1905 by Messrs. William Paul & Son, Waltham Cross. This is a big flower of the old-fashioned type, color satin pink, that comes rather flat, although I have seen a high-centred flower. Useful for pot culture, as it seems free enough.

M. H. Walsh.—Another 1905 introduction raised by Messrs. Alexander Dickson & Sons, Newtownards. This is a good rose, fine crimson color with a suggestion of scarlet in the younger flowers; it comes good enough for exhibition when at its best; good habit of growth, which is of the kind usually termed "erect." Has been well exhibited by the raisers this year at

more than one show. I noticed a particularly fine flower at Luton. It is good in the autumn, which is another advantage, as reds are then scarce. Its price has reached the normal, so it is worth trying.

Mrs. A. M. Kirker (1906, sent out by Hugh Dickson of Belfast).—A sweet-scented, good-sized flower, clear, bright cerise color, that has opened well with me, notwithstanding the wet; rather a tall grower. It has found its way into the exhibition boxes, and I think has come to stay.

Oberhofgartner A. Singer (1905, P. Lambert) is another rose that I think we can do without, it having nothing especially to recommend it.

Urania (1906, Walsh).—This is a giant; my solitary plant has had some tremendous flowers that would make even the old Paul Neyron look small. It is a similar shade of color to Ulrich Brunner, slightly deeper perhaps, so might be called cherry crimson; a good grower apparently. I have not seen it exhibited, but have little doubt when better known, as it deserves to be, it will be found among the back-row flowers in the exhibition boxes.

This completes the newer Hybrid Perpetuals as far as my notes are concerned. A Continental correspondent tells me I should try Gloire de Chédane Guinoisseau, and describes it as true vermilion in color, of good shape that should do well in England, but I can get no confirmation of his report among the trade growers. I also heard there was another Jules Graveriaux that was likely to be useful—a Monsieur this time, I presume—but I almost hope it is not so; two names only distinguished by a prefix that is often left out will only lead to confusion.

Of the Hybrid Perpetuals, then, I can only recommend two as worthy of a trial, or, at the most, three—M. H. Walsh, Mrs. A. M. Kirker and Urania—the product of the world's raisers during the last four years, not an overproduction, at any rate.

THE CANNA.

Those of our readers interested in the culture of the Canna and who know German may like to be made acquainted with the fact that Arpad Muhle of Temesvar, Hungary, has recently brought out a work entitled "Das Geschlecht der Canna, deren geschichte, Cultur, und anzucht." It contains 119 pages of text, of which the major portion is devoted to a list of varieties with raisers' names and descriptions.

C. H. P.

A CORRECTION.

In our editorial last week on the sale of the Morgan orchids, twenty-four years ago, the date mentioned should have been, of course, 1885, not 1884 as printed. It was not "John Bergman" but Gus. Bergmann who represented Sander & Co. at the sale.

Rosen-Zeitung for August, 1909, encloses a colored plate of J. Pernet-Ducher's new H. T. rose Entente Cordiale (Mme. Abel Chatenay x Kaiserin Aug. Victoria). As represented, the flower and foliage show the Kaiserin blood very strongly, the difference being mainly in color, which is light yellow.

BY "WIRELESS" FROM THE HOME OF FAIR MAID.

Say "Fair Maid" and you think of Roper. With all the glory which has come to that distinguished Tewksbury carnationist through his great Bay State and other sensational products, it can safely be said that there have been few carnations that have made the money for both growers and dealers that this modest, unpretentious little Fair Maid has earned. And she never looked better than she does today. Mr. Roper has 35,000 carnations in his benches this year—a moderate number as compared with some of the big operators, but there's plenty to be learned from an inspection of them in company with their industrious owner. Standard varieties and new claimants are there a-plenty. Mr. Roper says he is "sick and tired" of house culture in the summer and proposes to return to the old system of field culture excepting only in the case of Lawson, Windsor and others of that type.

Among the new varieties to be seen here is a scarlet seedling, known as No. 1021, which is well worth keeping one's eye on—as a commercial proposition perhaps rather than as an exhibition sensation. There is a white seedling, deeply fringed, quite similar to Shasta, which shows good qualities, including a stem at the present time of mid-winter proportions. One that is sure to be heard from is a two-year-old, of a soft but lively pure pink. Bay State looms up sturdy and regal as ever, bristling with buds of noble mien. Like her namesake, she is invincible.

It is but a short distance from Roper's to the establishment of Patten & Co., where the beloved ex-president of the American Carnation Society and his proficient son are to be found "always on their job." Mr. Patten gives quite a jolt to anyone who has been pinning faith to iron as an indestructible component in greenhouse construction, showing iron uprights corroded off at the surface of the soil while the wood in the benches of equal age of service is still intact. The carnations are handsome, as always, showing the effect of constant and intelligent care in clean vigorous growth and a miniature forest of lusty buds. Practically every novelty advertised during the past year or two may be seen here, all getting a chance to prove their qualifications for a permanent tenancy. Among the most impressive at the present time are May Day, pink, and Sara Nicholson, crimson. They both look very much like winners.

John T. Gale is another prosperous Tewksbury grower. About 6,000 violets and nearly the same number of carnations is the extent of his outfit. Like many Massachusetts violet growers, he ignores the capricious and unreliable Marie Louise and rests his faith on Lady Hume Campbell, from which he has now commenced to pick.

"We like your paper very much as an advertising medium and have always had satisfactory results from ads in it." T. C. THURLOW & CO., West Newbury, Mass., Sept. 29, 1909.

HARDY PERENNIAL SEEDLINGS AND ROOTED CUTTINGS FROM SOIL

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PALISADES NURSERIES, SPARKILL, N. Y.

Aquilegia in nine varieties.
Baptisia Australis.
Bidens atrosanguinea.
Callirrhoe Involucrata.
Chamaepeuce Casabonae.
Coreopsis Lanceolata.
Campanula Carpatia.
Campanula Carpatia Alba.
Delphinium Hybrids.
Digitalis Gloxinaeflora.
Gypsophila Paniculata.
Geum Atrosanguineum.
Hedysarum, fine mixed.
Hesperis Matronalis.
Hibiscus Moscheutos.
Hibiscus Crimson Eye.
Hollyhocks, Double, to color.
Lupinus Polyphyllus.
Lupinus Polyphyllus Alba.
Lavandula Vera.
Lobelia Cardinalis.
Lychnis Chalcedonica.
Lychnis Haageana.
Polemonium Coeruleum.
Pentstemon Grandiflorus.
Platycodon Grandiflora Blue.
Platycodon Grandiflora Alba.
Platycodon Mariesii.
Primula Acaulis.
Primula Veris Grandiflora.
Papaver Nudicaule.
Rudbeckia Purpurea.
Stokesia Cyanea.
Stokesia Cyanea Alba.
Sweet William to color.
Tritoma Hybrids.
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Wallflower, Mixed.

Rooted cuttings from the soil.

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Golden Harvest, cream centre, \$10.00 per 100

FIELD-CROWN PHLOX

Boule de feu, red. **Athis**, bright pink.

Jeanne d'Arc, white, \$3.00 per 100.

Deutzia, **Pride of Rochester**, white.

Rosea, pl. pink.

XXX heavy plants, 3-4 ft. @ \$15.00 per 100.

American Arbor Vitae, fine, transplanted, 2-3 ft., \$20.00 per 100.

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GILBERT H. WILD, Sarcoxie, Mo.

THE SEARCH FOR NEW FERN FORMS.

A feature of fern study that has not as yet been very extensively exploited in America is the search for forms of ferns of commercial value. In Europe this appears to be one of the main indications of an interest in ferns, and in consequence the named varieties are almost limitless. Often the appearance of the cultivated forms are scarcely attractive from the point of view of beauty, but their odd shapes seem to please the public, for it may be observed that if our own florists cultivate any of these European forms they almost invariably select the crested, tasseled and frilled specimens. It cannot be denied that variation along certain lines adds to the beauty of an already beautiful race of plants. Illustrations of this may be seen in the many sports of the sword fern (*Nephrolepis exaltata*) all of which are undoubtedly more beautiful than the type, and in "*Adiantum farleyense*," which is well known to be a sport from a species that is not celebrated for its appearance. Since most of our greenhouse ferns are tropical in origin, the search for desirable forms will go on most vigorously in the tropics and may lend zest to every outing, but such fern hunting need by no means be restricted to the tropics. The demand is steadily increasing for ferns of the temperate regions, hardy enough to endure our winters out-of-doors unprotected, and if people are willing to pay for the Christmas fern, the ostrich fern and the Osmundas as they are, surely they will pay more for improvements in these forms, perhaps even coming to the point when they demand the new form and refuse the type, as they now do in the so-called Boston fern. Mr. Terry's multifidum form of the Christmas fern is one that would always be selected in preference to the type and the same may be said of various forms that Mr. Hans has produced; indeed, a decided and characteristic form of *Polystichum acrostichoides incisum* would no doubt sell well, as would a crested form of the lady fern or the Dicksonia. There is a satisfaction in giving to the world a more beautiful form of anything than it now possesses, quite aside from any monetary consideration, but when art, beauty and commerce join forces, the student of ferns has cause to rejoice.—The Fern Bulletin.

CONVENTION RATES AND HEAD-QUARTERS.

The Editor of HORTICULTURE:

Dear Sir:—I have noted the controversy in HORTICULTURE with regard to the failure to secure special railroad rates to the Cincinnati Convention. No doubt the inability to secure a more favorable rate was partly responsible for the small attendance on such an important event. The mere fact that only 300 voted at the election gives a general idea of the attendance in proportion to the number of florists there are in the United States.

I have been wondering whether the failure to secure a concession from the railroads was due to the same influences that were responsible for the switching of the headquarters of the society at Cincinnati from the hotel originally selected.

HARRY A. BUNYARD.

APHINE The Insecticide that Kills Plant Lice of Every Species

Without the slightest injury to flower or foliage.
Has no equal for the Greenhouse.

But is no less effective outdoors.

"Aphine has a future as wide and long as the United States," says Colliers.

"Aphine will do all you claim for it and more," says Chas. H. Totty.

"Aphine will do the work; if you don't believe, try it," says another.

Eminent entomologists and other expert authorities are no less enthusiastic in their praises of the merits of this wonderful insecticide discovery.

Aphine can be applied effectively as a spray, wash, or dipping solution—it is used at an average strength of 1 part Aphine to 40 parts water.

PRICE \$2.50 PER GALLON

If your supply house does not yet handle Aphine, write us and we will send you name of our nearest selling agents.

George E. Talmadge, Inc., Manufacturers **MADISON, N.J.**

AUTO FLOWER PARADE AT WASHINGTON.

The auto flower pageant of the 30th ult. is a matter of history and there has been but one opinion expressed, viz., "a wonderful success." There was but one thing to mar its beauty—the cars were not public-spirited enough to stop running while the parade was in progress. The day was ideal and "the world and his wife" had turned out to enjoy the pageant. There were flag-bedecked cars and flower-decorated cars, both with natural and artificial flowers, miniature cars and touring cars, but the car most admired by the public was the one to which the five judges gave the sweepstake prize, consisting of a \$600 rose bowl—the Navy Yard car, which was decorated by F. H. Kramer. The Florists' Club first prize of a silver vase was awarded to Harry Wardman, for a Venetian gondola, decorated by Geo. Shaffer. The Florists' Club considered only the cars decorated in natural flowers. Honorable mention was made of the Florists' Club car, which was decorated by Geo. Cooke and was not in competition.

AMERICAN INSTITUTE.

The list of premiums awarded at the 78th Fair of the American Institute at New York City on September 21-23, has just come to hand in printed form. Among the dahlia prize winners the names of W. D. Hathaway, W. P. Lothrop, H. F. Burt and George L. Stillman appear frequently in the commercial and general classes. In gladioli, John Lewis Childs; in herbaceous flowers, Peter Murray; in ornamental plants, Harry Turner and A. J. Manda; in roses, L. A. Noe and F. R. Pierson; in carnations, Geo. Hale; in violets, Howard Nichols; in flowering and foliage groups, Julius Roehrs Co.; all appear prominent. Certificates were awarded as follows:

E. S. Miller, collection of gladiolus seedlings; Mills & Company, single dahlia "Jessica"; Wm. Wills, garden-

er to Clarence Whitman, Katonah, N. Y., cactus dahlia "Katonah"; Francis Milne, seedling dahlias "Mamaroneck" and Mrs. Francis Milne"; J. T. Lovett, seedling dahlia "Dr. Frederick A. Cook"; J. T. Lovett, Seedling dahlia "Henry Hudson."

ASTORIA BOWLERS.

The Astoria Florists' Bowling Club will be entertained on Saturday, October 16th, by Wm. H. Siebrecht at his country home at Chappequa, N. Y. This club will leave by automobile at 9 a. m. from the Siebrecht greenhouses at Astoria, L. I.

Bowling Scores, Oct. 5.

Miesem	173	175	198
Elismann	156	168	158
Dorhoefer	167	168	130
Anderson	124	143	190
Arnold	123	117	115
W. H. Siebrecht	208	147	197
W. H. S. Jr.		116	115
H. Siebrecht	137	138	181
Lawrence	143	141	139
Jacobson	137	139	160
Blackween	148	147	145
Donaldson	187	158	161

YOU

**Certainly grow more than
your requirements.**

AUCTION

off the balance.

W. Elliott & Sons,
NEW YORK.

Pipe Pan, for joy and let thy Shepherds sing!



Mr. Burpee being very busy writing up his new catalog turned the writing of this ad over to one of his new young men—who hopes you will like it so well that promotion will follow shortly. Send in your orders.

¶ When the Pilgrim Fathers landed on Plymouth Rock—shelter, food and firearms were the first desideratums. We do not credit all of the ditty that:

“First they fell upon their knees
and praised the Lord,
And then got up with fire and sword,
and fell upon the aborigines.”

¶ More likely they wrote home to the old country for some farm and garden seeds. Their eighty or ninety million descendants don't have to do that—they have seedsmen of their own—men who have grown up with them and studied their wants and their climate and know their peculiar needs from a to izzard. If you want the finest

American Grown Pedigree Seeds

for the farm or the garden try the largest mail order house in the world

BURPEE Philadelphia

¶ And, be sure to include in your order the three great Sweet Pea Novelties they offer for this season.

¶ Anyway, they want to get acquainted with you and would be happy to have you send for one of their catalogs. It is a splendid book and a liberal education on horticulture. Mailed free and with pleasure. Liberal terms to the seed trade, who are invited to catalog these and other novelties.



BEST THREE NEW SPENCERS FOR 1910

MIRIAM BEAVER; glowing soft apricot tinted and suffused with lemon.

MARIE CORELLI; (nee Prince of Wales Spencer); brilliant rosy carmine; wings rich crimson.

SENATOR SPENCER; deep claret striped and flaked with light heliotrope.

✍ An illustrated circular describing the above and other new Spencers mailed to the trade on application.

W. ATLEE BURPEE & CO., 475 North 5th Street, PHILADELPHIA, PA.

HEACOCK'S PALMS

ORDER NOW WHILE THEY CAN BE SHIPPED BY FREIGHT
SAVING HEAVY EXPRESS CHARGES.

Our stock consists of strong, healthy, well established home grown plants. A visit to our greenhouses will convince you. Twenty-five minutes from Philadelphia, fifty trains each way every day.

GET YOUR ORDER IN EARLY—IT PAYS

KENTIA BELMOREANA

	Per doz.	Per 100
5 in. pot, 6 to 7 leaves, 18 in. high	\$6.00	\$50.00
	Each	Doz.
6 in. pot, 6 to 7 leaves, 22 to 24 in. high	1.00	12.00
7 in. pot or tub, . . 6 to 7 leaves, 34 to 36 in. high	2.50	30.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. high very heavy.....	5.00	
9 in. tub, 6 to 7 leaves, 48 to 54 in. high very heavy.....	6.00	

MADE UP KENTIA FORSTERIANA

	Each
7 in. pot or tub, 4 plants in pot, 36 in. high	\$2.50
7 in. pot or tub, 4 plants 36 to 38 in. high	3.00
9 in. tub, 4 plants in tub, 42 to 48 in. high	5.00

ARECA LUTESCENS

	Each
6 in. pot, 3 plants in pot, 24 to 26 in. high	\$0.75
6 in. pot, 3 plants in pot, 26 to 28 in. high	1.00
7 in. pot, 3 plants in pot, 30 to 32 in. high	2.00

COCOS WEDDELIANA

	Per 100
2½ in. pot, 8 to 10 in. high	\$10.00
2½ in. pot, 10 to 12 in. high	15.00

Joseph Heacock Co., WYNCOTE, PA.



SALVIA SETHELLII.

We have received from Palisades Nurseries a branch of flowers of this handsome garden perennial. They say:

"We have grown this outside for two years and find it one of the most desirable herbaceous plants we know of. Its dark velvety olive green foliage is quite as attractive as the rosy purple flowers that cover the plants. It grows 4 feet high, many branches, and flowers from beginning of August right into frost. Although it was frozen outside with us the beginning of last winter before we took it in to propagate, we do not know whether it stands our winters unprotected outside or not; but it certainly stands freezing without injury, and could be termed a hardy Salvia or Scarlet Sage, which it closely resembles except in color of flower and for which it appears to us there is much need, and should make a striking novelty for some large retail catalogue firm."

The result of investigations by the Japan Agricultural Society shows that the export of lily bulbs from Japan last year markedly increased. The total value of bulbs exported reached 444,727 yen last year, against about 250,000 yen for the preceding year. The principal destination was England, where they were exported to the value of 214,959 yen. Next comes America, which took 184,913 yen in value, followed by the Netherlands, with 15,925 yen; Germany, with 11,031 yen; Denmark, with 5,530 yen; and Canada with 6,602 yen.—Journal of Horticulture.

ROEHRS, RUTHERFORD N. J. LORRAINE BEGONIAS

The F. E. CONINE NURSERY CO.

STRATFORD, CONN.

Norway Spruce, Hemlock, Arbor Vitae and Pines

LARGE SIZES, WITH BALLS

In ordering goods please add "I saw
it in HORTICULTURE."

PANSY PLANTS

From my well-known strain, none better; also DAISIES (bellis) and FORTGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

ROEHRS RUTHERFORD, N. J. EVERGREENS

HERBERT, ATCO, N.J.
DAHLIAS Every Day in the Year

LILIES Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

GERMAN AND JAPAN IRIS, DELPHINIUM FORMOSUM

Write for prices

E. S. MILLER Wading River
L. I., N. Y.

NOW READY

Zirngiebel's Fine Strain of

PANSY PLANTS

they can't be beat; well known for a century; good strong plants, 50c per 100, \$4.00 per 1000.

AUGUSTUS ZIRNGIEBEL,
EAST NORWICH, N. Y.

In ordering goods please add "I saw
it in HORTICULTURE."

Dreer's Special Offer

OF

Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world. Our collection is unequalled, and we are prepared to furnish the new and rare kinds as well as all the popular standard varieties in large quantities.

The plants we offer are all strong one-year-old field-grown plants and will make a fine display of flowers next season.

New and Rare Varieties.

	Per 100	Per 1000
Aglæ Adanson (Tall). Immense flowers, snow-white, with red eye.....	\$8.00	\$75.00
F. G. Von Lassburg (Medium). The purest white in cultivation; individual flowers larger than any other white.....	8.00	75.00
Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.....	6.00	50.00
Louis Blanc (Tall). Reddish-violet, with purple shadings and darker eye. A distinct dark-colored variety.....	6.00	50.00
Prosper Henry (Dwarf). Large compact truss of pure white with bright crimson-carmine center.....	6.00	50.00
Siebold (Dwarf). An improvement on the popular scarlet "Coquelicot," brighter and stronger.....	10.00	90.00
George A. Stroblein (Medium). Bright scarlet, with crimson-red eye; does not bleach.....	10.00	90.00
Mme. Paul Dutrie (Medium). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large, and borne in panicles of immense size.....	10.00	90.00
Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.....	6.00	50.00
Von Hochberg (Medium). The ideal crimson Phlox; the richest of its color.....	10.00	90.00



General Collection of Hardy Phlox.

Best Scarlet and Red Varieties.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.
Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.
Etna (Medium). Crimson red suffused with fiery red; cherry-red eye.
Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.
General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.
Pêcheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet, fine.
R. P. Struthers (Tall). Rosy carmine, with claret-red eye, fine.
Price: Any of the Scarlet or Red Varieties, \$6.00 per 100; \$50.00 per 1000.

Best White Varieties.

Albion (Tall). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
Diadem (Dwarf). A fine dwarf, pure white.
Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.
Hermine (Dwarf). The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.
Jeanne d'Arc (Tall). A good standard late white.
Louise Abbema (Dwarf). A dwarf pure white of fine form.
Mrs. Jenkins (Tall). The best tall early white for massing.
Price: Any of the White Varieties, \$5.00 per 100; \$40.00 per 1000.

Best Pink and Rose-colored Varieties.

Bacchante (Tall). Tyrian rose with crimson-carmine eye.
Caran d'Ache (Dwarf). Geranium-red, with old rose shadings and white eye; very effective.
Clara Benz (Dwarf). Lovely carmine rose, with darker eye.
General Giovaninelli (Dwarf). Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.
La Vague (Medium). Pure mauve, with aniline-red eye.
Pacha (Dwarf). Deep rose pink, suffused with Solferino-red and carmine-purple eye.
Pantheon (Tall). Bright carmine rose.
Selma (Tall). Large flower, pale rose mauve, with claret-red eye.
Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.
Price: Any of the Pink or Rose sorts, \$5.00 per 100; \$40.00 per 1000.

Best Purple and Crimson Varieties.

B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.
Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Chevalier de Boufflers (Medium). Deep reddish violet, with brighter shadings.
Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.
Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.
Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre with an exceptionally large white centre.
La Foudre (Tall). Rich glowing French purple, shading crimson.
Le Mahdi (Tall). Deep reddish violet, with darker eye.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
Price: Any of the Purple and Crimson sorts; \$5.00 per 100; \$40.00 per 1000.

Best Light Varieties With Dark Eyes.

Bridesmaid (Tall). White, with large crimson-carmine centre.
Colibri (Tall). White, with crimson-carmine centre; very late.
Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.
H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.
Price: Any of the Light Varieties with Dark Eyes, \$5.00 per 100; \$40.00 per 1000.

Best Mottled Varieties.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.
Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.
Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.
Price: Any of the Mottled Varieties, \$5.00 per 100; \$40.00 per 1000.

Phlox Sufruticosa—Miss Lingard.

Extra strong plants of this valuable early white flowering variety \$6.00 per 100; \$50.00 per 1000.

For the most complete assortment of Hardy Perennials offered in America, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Seed Trade

British Vegetable Trials.

It may be of interest to readers of HORTICULTURE to be informed of some recent trials at the R. H. S. gardens at Wisley, inspected by members of the Fruit and Vegetable Committee. These trials consisted of runner beans, cauliflowers and late potatoes. Of runner beans, the smooth-podded varieties were first inspected, and from these were selected Count Zeppelin, of the old case-knife form, stringless, 12 in. in length, singularly tender, and delicious eating when cooked (Heinemann, Erfurt). Dark Dun, a selection of the climbing French type, prolific with short fleshy pods (James Carter & Co.) Climbing beans selected tender and true form (James Carter & Co.) Princess of Wales, a very fine heavy-cropping bean (Sutton & Sons). Of the Scarlet or Dutch runner type, Scarlet Emperor has long pod of a deep green color, and Red Giant with long narrow pods, of a pale green color (James Carter & Co.) Also Prizewinner certificated in 1892. Mr. Beckett, gardener at Aldenham House, Herts, had sent a white flowering variety named White Emperor, which was the heaviest cropper of all, with pods long and shapely. All of these received three marks apiece, and these awards were sanctioned by the full committee on Tuesday, September 14.

A trial of cauliflowers was then inspected and most of the varieties which had turned in showed fine heads. Early Snowball, an old variety, was the earliest—a good stock (Barr & Sons). Good varieties for succession were King of the Cauliflowers (Barr & Sons), Magnum Bonum (Sutton & Sons), Dwarf Mammoth (Carter & Co.), and Conqueror (Vilmorin et Cie, Paris). These received three marks, and this was sanctioned by the full committee. Of the potatoes, seedlings from the variety Up-to-Date were in the majority. Those selected and shown to the full committees were Duchess of York (W. Holmes, Tain, N. B.), a long white tuber; Vera O'Brien, a flat oval (Tullins, Kildare); Widecombe Intermediate, a round tuber (Pickering, Ashburton); and Scottish Chief, a large flat-tish round tuber (Barr & Sons). These all received three marks.—*Extracted from Gardeners' Chronicle for September 18.*

Contraband Tobacco.

Whence goes all the forfeited tobacco of the British Custom Houses is a question asked and answered in "The Daily Chronicle" (London), for September 23. "Smokers will be glad to know that the contraband tobacco is no longer consigned to what used to be known as the 'Queen's Tobacco Pipe'—the kiln by the London Docks. It was an awful waste of incense. Nowadays, if you are a criminal and a lunatic, and are accommodated at Broadmoor, you get your tobacco from the Customs for nothing. And any tobacco that is below your criminally lunatic taste is used for the discouragement of insects in Kew Gardens."

F. M.

The Grass Seed Market.

We have just received from Barenbrug, Burgers & Co. their annual report on this year's crops of Natural Grass Seeds in the various growing districts at home and abroad. They tell us that of the last three years, all with decidedly short crops, the present season beats the record for shortness not only of them, but of at least a score of years, owing to the very unfavorable weather which has been well-nigh universal all over Europe. At one time a continuous drought when practically every plot of grass land seemed a barren place; after that a period of cold wet weather, with the result that whatever had fortunately passed through the drought was confronted by the opposite fate, viz., that of being destroyed by water.

The early varieties—those that had to pass through and ripened during the dry period—showed consequently heads with almost no seed in, whereas the later varieties—those which had to go through the cold and wet period—had an exceedingly poor flowering time, with the result that the seed-setting was badly affected; so that the yields on the whole are not one-third of what they should be; and of both early and late varieties, the quality of the produce of all is of an exceedingly light character, the carrying up of which to a satisfactory standard of purity required a good deal of winnowing and a big loss of light matter. They say that if it has been surmised by seedsmen that last season's quotations for the majority of grasses were about the highest that could reasonably be expected to find customers, they fear that at least for a few varieties the trade will be called upon to pay still more this year, if as is presumed to be the case, they can't do without them. For, considering the exceedingly small yields, this season's light qualities which will show an enormous loss in cleaning them up to a decent standard of purity, and finally, the excessive high prices paid to farmers for their rough material, quotations cannot fail to soar a good deal higher than last season for those kinds which suffered most from the inclemency of the weather.

Of the sorts which are likely to command advanced prices, they enumerate *Achillea millefolium*, *Agrostis stolonifera*, *Agrostis canina*, *Anthoxanthum odoratum*, *Avena elatior*, *Avena flavescens*, *Cynosurus cristatus*, *Festuca duriscula ovina*, and *ovina angustifolia* (these higher than ever before), *Festuca elatior*, *F. pratensis*, *F. rubra*, *Poa nemoralis* and *Poa pratensis*. *Alpecurus pratensis* is a satisfactory crop and moderate prices are quoted, but buyers are warned against old or mixed seed as last year's seed was unsatisfactory as to both purity and germination. *Anthoxanthum odoratum patelli* will probably advance, *Dactylis glomerata* will be reasonable, as also will be *Poa trivialis* and *Lolium perenne* and *Italicum*.

The History of Alfalfa or Lucerne.

In an account of the history and dissemination of Lucerne, Prof. J. C. Hodgenson is quoted as having said that the plant was introduced from Rome into Spain and France and thence to South America and Mexico during the Spanish invasion and from there to

California in 1854, and from California it was taken to Utah, Colorado, Kansas and further east. He adds:

"Lucerne was introduced into the Eastern States long before it came to California, but it made no headway and was forgotten until it made its way eastward from the great West."

The latter statement is open to question. We have been informed that the first 100ths of alfalfa for the state of Texas went from Philadelphia in 1889 and from there it spread all over the central western and Pacific states. Now Texas sends the seeds out in hundreds of carloads, all over the United States and to foreign countries; but in this connection it is well to bear in mind the words of a leading European authority (Larenbrug) on this subject:

"There is an enormous difference between the produce of European and American grown Alfalfa, so much so that even in Holland it is considered a fraud if American grown is sold for European or if mixtures of the two are sold for European seed. There is simply no comparing the one plant with the other. Not only that—the American plant's duration does not exceed two or three years at best so that it does not answer to having a longer lay than a field of red clover and that it is by far the inferior of the 5 or 6-year plant of European origin, but the plant itself is rather a poor one in comparison. Even the first cut does not yield more than half the quantity, whereas the second cut is even less. Among the European-grown seeds, namely:—Provence, Middle, and North of France, Italian, Hungarian and Russian—we consider the Provence and Italian seeds to be the best, next we would prefer the north and middle of France and Hungarian, while the Russian is in our opinion no better than the American."

The cultivation of Lucerne is older than Rome—in fact, it is of unknown antiquity. The Persians had it before the Greeks or Romans. As a cultivated plant it is probably one of the oldest known to the human race. Of course, Professor Hodgenson is no doubt correct in ascribing its introduction into South America and the Pacific coast territories to the Spaniards. But to imagine a West-to-East migration is too much, and clean contrary to all probabilities. More likely it simply followed the settlement of the United States from East to West. Another thing—what is there about Utah-grown seed that such claims are set up for it? We want to know, you know, even if we are not "from Missouri."

The Aster Seed Crop.

Referring to the aster seed notes in our issue of September 18, Mr. Charles H. Vick of Rochester, N. Y., writes us as follows:

"I note, in a recent number of HORTICULTURE, a short article on the Aster Seed crop. While we have had very unfavorable weather in the vicinity of Rochester, we expect a fair crop, with sufficient seed to fill all orders. The early season was unfavorable on account of the wet. After our plants were set out, the drought interfered with the growth. The recent showers have helped some and our asters at present are in full bloom and, with a favorable fall, we will harvest nearly the usual quantity of seed.

"Two new Extra Early Uprights, Pink and White, will be added to our list, and also a new one identical in the growth and style of flower to our Violet King, a very beautiful rose in color. These we shall offer to the trade in packets."



Michell's English Mushroom Spawn

100, per brick (25c. postpaid), per doz., \$ 1.00;
25 lbs., \$.75; \$1.50 per 100 lbs.; per 1000 lbs.,
\$60.00; 250 lbs. at 1000 lb. rate.

TESTIMONIAL

Newark, N. J., Dec. 28th, '08.

I am very well satisfied with the Mushroom Spawn purchased of you; it has turned out splendidly.

E. BOISAUBIN.

Lambert's Pure Culture Spawn

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and bearing for a longer time.

Standard No. 8 Cream White. For use from April to October.

Standard No. 9 Pure White. For use from October to April.

Prices of Pure Culture Spawn. Standard Bricks

Per brick, about 1½ lbs., 25c.; per brick, postpaid, 30c.; 5 bricks, 90c.; 12 bricks, \$1.80; 25 bricks, \$3.50; 50 bricks, \$6.50; 100 bricks, \$12.50; 1000 bricks, \$115.00.

Direct No. 8 Cream White. For use from October to April.

Direct No. 9 Pure White Type. For use from April to October.

Prices of Pure Culture Spawn. Direct Bricks

Per brick, 25c.; per brick, postpaid, 35c.; 12 bricks, \$2.40; 25 bricks, \$5.00; 50 bricks, \$9.25; 100 bricks, \$15.00; 1000 bricks, \$140.00.

LAMBERT'S PURE CULTURE SPAWN

As we understand it, the difference between Direct and Standard Spawn is as follows: The "Direct" bricks are inoculated with spores taken from specimen mushrooms; without laboratory transfer. The "Standard" bricks are inoculated from spores propagated and when propagated transferred into the bricks of spawn. The Direct bricks produce the truest types of one kind or shade of color mushrooms.

A Straight Talk!

MICHELL didn't discover the north pole. All honor to the men who did. Michell's triumph rests on being a pioneer in good seeds and bulbs. If you want the very best the world can give you (A. D. 1909) our lists are at your service. Mailed free. If any one claims to know more about the florists' supply business than we do—please write us—we might be able to tell you something! You have everything to gain and nothing to lose in getting next to us! Write today, for our wholesale price list of bulbs.

HENRY F. MICHELL CO.

Chinese Sacred Lily Bulbs

We import these direct from China, where we get the selection of fine, sound bulbs. These sell readily on the store counter, and yield a handsome profit. We would recommend to force a few into flower, which can be done in about five weeks, and place the bulbs you desire to sell on the counter, with the blooming plants.

Regular Size Bulbs. 60c. per doz.; per basket (10 bulbs) \$1.25; \$4.50 per bale (120 bulbs), \$32.50 per 1.00.

Mammoth Size Bulbs. \$1.00 per doz.; per basket (10 bulbs) \$2.25; \$7.50 per bale (120 bulbs), \$60.00 per 1000.

Golden Chinese Lilies

Pure golden yellow, very fragrant. 30c. per doz.; per 100, \$2.00.

Pebbles for Chinese Lilies

40c. per doz, quart packages; per 100, \$3.00; not less than 50 at 100 rate.



Chinese Lilies

HENRY F. MICHELL CO.

SEEDS
BULBS
PLANTS
Etc.

Two Stores:

1018 and 518 Market Street

PHILADELPHIA, - - PA.

PUBLICATIONS RECEIVED.

Landscape Planting for Pleasure and Profit. Sent out with compliments of Reading Nurseries, J. Woodward Manning, proprietor, Reading, Mass. A nicely gotten up little pamphlet with Rhododendron Vaseyii in colors as a cover attraction.

Year Book of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America, 1909. This pamphlet contains the proceedings of the first annual convention of the above named society, held at Cleveland, Ohio, October 30 and 31, 1908, and other matters of direct interest to the market gardening fraternity.

Bulletin of the University of Missouri. Gives full information of the opportunities for agricultural and horticultural education furnished by the college. Fully illustrated with plates showing the various departments and their work. Explains the functions of the departments, admission requirements, costs, equipment, and all that the ambitious student may desire to know.

Number 23, Vol. 7, of The Bulletin of the New York Botanical Garden, which has just been issued is designated the "Hudson-Fulton Celebration Number." It contains a descriptive guide to the grounds, buildings and collections and a descriptive guide to the native trees of the Hudson River Valley prepared by Norman L. Taylor. There are forty full-page half-tone plates and a general plan of the garden. The tree descriptions are given in popular style, unencumbered by scientific terms, and the volume will no doubt find many interested readers.

MOVEMENTS OF GARDENERS.

John Forbes, who was for some time gardener for Mrs. Wm. B. Leeds at Newport, R. I., is now installed as gardener for Perry Belmont.

Wm. Mackay is now in charge of the E. T. Gerry estate at Newport, R. I., Arthur Griffin having resigned that position.

Patrick F. Reynolds, gardener for Mrs. J. P. Kernochan at Newport, R. I., is receiving congratulations from his many friends. The wedding took place October 5th.

SEED TRADE NOTES.

Howard M. Earl and Edwin Lonsdale arrived home from their California trip, October 5th.

Toronto, Can.—The Steele-Briggs Seed Co. have moved their retail business to a larger and more spacious building across the street, 137-139 King street. A. W. Annandale is in charge.

We are informed that Mr. Theo. Cobb, for twenty-four years with the D. M. Ferry & Co., Detroit, Mich., has decided to join forces with the J. F. Noll & Co., Inc., Newark, N. J. Mr. Cobb has been elected secretary of the company and will be glad to see any of his friends at 115 Mulberry St., Newark, N. J., any time after the 15th of this month.

Two Valuable Seed Novelties

Do not fail to include in your next catalogue

HOLMES' DELICIOUS SWEET CORN and
HOLMES' GREEN PROLIFIC POLE LIMA

Two of the greatest acquisitions ever offered. See our full page advertisement in Horticulture of Sept. 18th for descriptions and illustrations. Liberal terms to the trade. Write at once before our limited surplus is all engaged.

HOLMES SEED CO., Harrisburg, Pa.

THE LILY BULB SITUATION.

A pretty good consignment of Japanese lily bulbs was disposed of at auction in New York on October 5. The bulbs were mostly bought up by the wholesale importers at rather high prices—evidently to cover shortages—which seems to indicate that shipments now arriving in this country are under estimate and that orders on some lines will be filled with more or less difficulty.

We are informed in a letter just received from Japan, that forty-five days of consecutive rain and misty weather did much damage to the multiflorum lilies and "9-10s" are very scarce in consequence. The longiflorum giganteums are all right, but have stiffened in value in consequence of the demand caused by the scarcity of the multiflorums.

INCREASE

Your Income. How?

GROW
MUSHROOMS

Write for our treatise how to grow them
FREE.

W. ELLIOTT & SONS,
NEW YORK

ORDER NOW
French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

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CABBAGE. Succession, Flat Dutch and Savoy,
\$1.00 per 1000. \$8.50 per 10,000.

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A few **LILIUM HARRISII** "7/5" left at
\$37.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

**Cauliflower's
CABBAGE**

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York

In ordering goods please add "I saw
it in HORTICULTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

SINGLE LATE MAY-FLOWERING or DECORATION DAY TULIPS

These are exceptionally useful flowers for Decoration Day, and every florist should plant out a few. Once planted, they will remain for years and serve you with a wealth of bloom.

	100	1000
<i>Beauty of America</i> . Creamy white, turning pink...	\$1 00	\$8 00
<i>Bizarres</i> . Handsome, rich flowers, with yellow ground; finest mixed.....	75	6 00
<i>Bouton d'Or</i> . Deep golden yellow; very handsome flowers	85	7 50
<i>Bridesmaid</i> . Lovely soft pink.....	85	7 50
<i>Byblooms (Roses)</i> . White ground, blotched, striped or feathered with lilac.....	85	7 50
<i>Byblooms (Violets)</i> . White ground, striped and blotched purple and blue.....	90	8 00
<i>Darwin</i> . Very large flowers. They include every known shade	85	7 50
<i>Golden Crown</i> . Large, bright yellow.....	1 00	7 50
<i>Gesneriana</i> , <i>Scarlet (true)</i> . Largest and handsomest of all Tulips; fine for Decoration Day.....	1 25	10 00
<i>Macropsella</i> . Crimson-scarlet, black center.....	85	7 50
<i>Isabella (Shandon Bells)</i> . Carmine-rose, shaded creamy white	1 00	9 00
<i>Maiden's Blush</i> , or <i>Picotee</i> . Clear white, margined on the edge with pink, pointed and reflexed petals; most beautiful.....	90	8 00

PARROT, or DRAGON TULIPS

Parrot Tulips should be more largely grown. Their odd colors and fantastic shades make them ready sellers, and make a unique decoration when placed in vases or low bowls.

	100	1000
<i>Admiral de Constantinople</i> . Large; red, yellow edge.	\$0 85	\$7 50
<i>Cramoie Brillante</i> . Rich blood-crimson, with bluish markings	85	7 50
<i>Lutea major</i> . Large, showy yellow.....	75	7 00
<i>Markgraaf von Baden</i> . Red and yellow, orange inside; very showy.....	1 00	9 00
<i>Perfecta</i> . Yellow, striped red.....	85	7 50
<i>Superfine Mixed Parrot Tulips</i>	75	6 00



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342 W. 14th Street, New York City, N. Y.

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NEW CROP

FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, claret base
Pink with
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Price per 1000 seeds, \$10.00
100 seeds, \$1.00

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CYCLAMEN SEED

Especially grown for us in England.
A superb, large flowering strain in
10 separate colors.

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillium Longiflorum Giganteum C. S. by the case of 300.

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FRENCH AND DUTCH BULBS

Columbia Farm Harrisii
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Send for trade list.

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High Grade Cut Blooms**

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KANSAS CITY, MO.

will carefully execute orders for Kansas City
and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

TO RETAIL FLORISTS.

In view of the fact that there has recently been some comment in the trade press concerning the interchanging of retail orders among the florists of the country, it is proper to state that this subject was discussed at the recent convention of the S. A. F. and O. H. in Cincinnati with the result that the officers of that society are now actively at work and confidently expect to shortly announce the organization of a Retail Delivery Association composed of a large number of retailers throughout the country working in conjunction with the S. A. F. and O. H.

Retailers not now members of the national society have expressed an eagerness to join as soon as such an organization can be effected. The de-

STEAMER DEPARTURES

Allan Line.

Numidian, Boston-Glasgow...Oct. 15

American.

New York, N. Y.-S'hampton...Oct. 16

Atlantic Transport.

Minneapolis, N. Y.-London...Oct. 16

Cunard.

Lucania, N. Y.-Liverpool...Oct. 13

Ivernia, Boston-Liverpool...Oct. 19

Carpathia, N. Y.-Med'n Pts...Oct. 21

French Line.

La Savoie, N. Y.-Havre...Oct. 14

Hamburg-American.

P. Grant, N. Y.-Hamburg...Oct. 13

Ivernia, Boston-Liverpool...Oct. 19

Moltke, N. Y.-Med'n Pts...Oct. 21

Leyland Line.

Bohemian, Boston-Liverpool...Oct. 13

North German Lloyd.

Cecile, N. Y.-Bremen...Oct. 12

G. Washington, N. Y.-Bremen...Oct. 14

White Star.

Adriatic, N. Y.-S'hampton...Oct. 13

Arabic, N. Y.-Liverpool...Oct. 16

tails have to be carefully considered, but the work has been taken hold of with energy and will be pushed as rapidly as possible.

J. A. VALENTINE,
President S. A. F. and O. H.

NEW FLOWER STORE.

Grand Forks, N. D.—M. P. Linberg,
7th street and Alpha avenue.

Rensselaer, Ind.—The King Floral
Co. has purchased the business of
A. W. Cleveland.



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Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

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Flower Deliveries

In Brooklyn and other Long Island Points
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**Choice Flowers and
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FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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EDWARD MACMULKIN

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For Ste. mers sailing from Montreal and Quebec
Order by Mail or Telegraph from

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FLORIST
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Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Just What You Have Been Looking For!

Laurel, Cedar, Pine and Autumn Vines, 3 ft. high, \$1.00 up.

Laurel, Cedar, Pine and Autumn Branches for all decorations, 50c. up.

Rustic Cedar Bark, 100 sq. ft., \$2.50 in b'd'ls.

Grape Vine, per coil, \$2.00.

Cedar Post and Poles, per ft., 3c. up.

Loose Laurel, per bbl., \$1.00.

Pine Cones on branches, per bbl., \$1.50.

Green, Sheet and Sphagnum Moss, also Jersey Peat at Market Prices.

Mapes' Rustic Works CLAYTON, - - N. J.

BELL 'PHONE, 29 L

BUSINESS CHANGES.

Reading, Pa.—George W. Beears, florist, has moved from 235 to 206 No. 9th St.

Ashtabula, O.—Fishel & Willis succeeded to the greenhouse business of E. A. Knapp.

Vancouver, Wash.—A. Axtell has purchased the florist business of Eugene Zimmer and will increase his facilities in the retail branch.

Lafayette, Col.—The business of the Schroeder-Son Nursery Co. is now in charge of George Schroeder, his father and sister having withdrawn from it.

Sunnyside, Ind.—Ricketts Bros. have disposed of their interest in the Sunnyside Floral Co. to Herman Raabe, who will retain the services of Chas. Ricketts.

In ordering goods please add "I saw it in HORTICULTURE."

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

PERSONAL.

Chauncy Slade has taken a position with W. McCarthy at Erie, Pa.

Mr. J. Backhouse of York, England, sailed for home on October 6, on the Mauretania from New York.

Our sincere sympathy is extended to J. K. Allen, the New York wholesale florist, whose sister died on October 1.

A. D. Goldenberg of R. M. Ward & Co., New York, returned from his European trip October 4, on the George Washington.

John H. Taylor, Bayside, N. Y., returned on Red Star steamer from Antwerp last Sunday, after a European tour of several weeks.

Arthur H. Norton, son of M. H. Norton, was married to Miss Doherty at St. Peter's Rectory, Dorchester, Mass., on Wednesday evening, October 6.

Visitors in Boston: T. Melstrom, representing F. Sander & Son, St. Albans, Eng.; H. Thiemann, Monson, Mass.; H. S. DeForest, of Pierson U-Bar Co., New York.

Visitors in New York: A. J. Pieters, Hollister, Cal.; Hon. Phil. Breitmeyer, Detroit, Mich.; W. C. Langbridge, representing Jerome B. Rice, Cambridge, N. Y.; E. Allan Peirce, Waltham, Mass.

Harry Budlong, son of J. A. Budlong, and for many years identified with J. A. Budlong Sons & Co., Auburn, R. I., has severed his connection with the business and will devote his time to other interests.

Philadelphia visitors: S. B. Dicks, London, England; Leonard Long, Long Branch, N. J.; Phil Breitmeyer, Detroit, Mich.; Jefferson Thomas, Harrisburg, Pa.; Victor Groshens, Glenside, Pa.; Alex. Cumming, Hartford, Conn.

NEW BEDFORD NOTES.

Trade Jottings.

Vacations over, and with the fall season on hand business has been improving every day. The past week when the rainy weather caused havoc with the outdoor stuff, there was a big demand for indoor flowers, with little to be had. Chrysanthemums are now showing up in the store windows, and amongst the growers the plants are looking fine. R. E. Nofftz, H. A. Jahn and R. H. Woodhouse were the first to cut some nice Polly Rose and Glory Pacific. The local dahlia exhibitors have been very fortunate this year, bringing home many prizes from every city where they exhibited.

Local festivities have started in with the right kind of a snap. A banquet and dancing party given to Miss Elizabeth Peirce at Fairhaven Town Hall gave Peter Murray an opportunity to display his artistic abilities, and on October 9, R. H. Woodhouse has an elaborate church decoration for the Peirce-Williamson wedding. We mention these simply to show that New Bedford's season is beginning with a noise that sounds like a glorious winter for business.

Personal.

Fred C. Covell, formerly with E. H. Chamberlin, has now taken the position of manager of the flower department of the Shepard Co. in Providence, R. I.

Recent visitors were A. Leuthy, Ros-

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

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66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

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lindale, Mass.; J. J. Karins, representing H. A. Dreer.

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"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Washington, D. C.—Gude Bros., 1214 F St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Chicago—George Wittbold Co., 1657-59 Buckingham Place.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts av.

Boston—Julius A. Zinn, 2 Beacon St.

Wellesley, Mass.—Tallby.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Rowe, 1294 Broadway.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

NEWS NOTES.

Danvers, Mass.—The greenhouses of E. & C. Woodman are being improved and newly painted.

The receipt of four-and-a-half tons of sweet pea seed by A. T. Boddington this week affords some idea of the magnitude the sweet pea trade has reached.

The Robertson place at Long Branch, N. J., will be run hereafter as a wholesale producing plant. Adiantum and other greens will be a specialty. Leonard Long is the superintendent.

CUT FLOWER BOXES

Quality Right. Prompt Delivery
Prices Right

Bangor Box Co., Bangor, Me.

DAHLIAS**\$2.00 - \$4.00 per 100**

All the best commercial varieties: Bruton, Jack Rose, Arabella, Sylvia, Lyndhurst, John Walker, Kriemhilde and a good assortment of single varieties.

CATTLEYAS**\$6.00 per dozen. \$40.00 per 100**

Business hours: 7. A. M. to 8 P. M.

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Cut Flowers**ALWAYS GOOD, FRESH STOCK**

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Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Correspondence solicited.

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Greenhouses, - Morton Grove, Ill.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw
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WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Oct. 5	TWIN CITIES Oct. 4	PHILA. Oct. 4	BOSTON Oct. 7
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	25.00 to 35.00	17.00 to 20.00	18.00 to 35.00
" Extra	15.00 to 20.00	15.00 to 25.00	15.00 to 17.00	10.00 to 15.00
" No. 1	12.00 to 15.00	10.00 to 15.00	10.00 to 15.00	4.00 to 8.00
" Lower grades	5.00 to 10.00	6.00 to 10.00	6.00 to 8.00	2.00 to 3.00
Bride, 'Maid, Chateaux, F. & S.	5.00 to 8.00	6.00 to 8.00	5.00 to 6.00	3.00 to 6.00
" Lower grades	3.00 to 5.00	3.00 to 6.00	3.00 to .....	.50 to 1.00
Killarney, Fan, & Sp.	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 6.00
" Lower grades	3.00 to 5.00	3.00 to 6.00	3.00 to 5.00	.50 to 1.00
Richmond, Fancy & Special	5.00 to 13.00	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00
" Lower grades	3.00 to 5.00	3.00 to 6.00	3.00 to .....	.50 to 1.00
My Maryland, Kaiserin	3.00 to 10.00	5.00 to 8.00	8.00 to 10.00	.50 to 6.00
CARNATIONS				
	2.00 to 3.00	1.00 to 3.50	2.00 to 3.00	1.00 to 3.00
MISCELLANEOUS				
Chrysanthemums	15.00 to 25.00	15.00 to 20.00	15.00 to 35.00	8.00 to 16.00
Gladioli	10.00 to	2.00 to 5.00	..... to 3.00	1.00 to 4.00
Asters .....	.50 to 1.50	1.00 to 3.00	..... to .....	..... to 1.00
Violets .....	..... to .....	..... to .....	..... to .....	.35 to .75
Camellias	40.00 to 60.00	40.00 to 50.00	..... to 50.00	35.00 to 50.00
Lilies	12.00 to 15.00	12.00 to 15.00	12.50 to	8.00 to 16.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Mignonette .....	..... to .....	.50 to 1.00	..... to .....	.50 to 1.00
Gardenias .....	..... to	20.00 to 25.00	35.00 to	16.00 to 20.00
Adiantum .....	.75 to 1.00	.75 to 1.00	..... to 1.00	.75 to 1.00
Smilax	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100) ..	40.00 to 60.00	35.00 to 50.00	25.00 to 50.00	25.00 to 30.00
" " & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	25.00 to 50.00	15.00 to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.
WHOLESALE COMMISSION DEALERS IN
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84 Hawley St., Boston

Flower Market Reports.

This market has emerged from the summer torpidity with a vivacity which promises well for the opening season. The closing out of the aster crop was all that was necessary to open the eyes of the trade to the fact that the demand was sufficiently lively already to use up most of the regular product if of good character. Roses are being received in liberal supply and are being taken up satisfactorily. They are of creditable quality in all respects, the only lack being stems. Carnations are far below the demand and the market could consume many more than are offered. The fine weather has increased the supply of chrysanthemums, which have been somewhat backward in coming forward and at the pace they have now assumed they will probably stave off any possibility of starvation which might otherwise have seemed imminent. Gladioli have had a convalescence since the rainy spell which put them temporarily out of business and are again in good shape. Violets are really good for so early a date. Altogether, the outlook is for a very good general supply in all lines for the immediate future, with a reasonable demand for seasonable goods.

Chrysanthemums are getting a little more plentiful. Owing to the cool

weather the crop has been somewhat backward. Golden Glow is giving way to Monrovia in the yellow. October Frost is at its best this week and blooms that have been left on the plant long enough are very fine. There seems to be no lack of pink roses at present. Mrs. Marshall Field, Killarney, and Maryland are of excellent quality. The demand for medium Beauties has increased during the past week and the stock of all grades of this flower is of good quality. A big crop of White Killarney is on with some growers and Kaiserin is still at its best. Brides and Bridesmaids are getting more plentiful and Richmonds are coming with good stems and fine flowers. About 90 per cent of the carnations are on short stems and the stock later in the season would not bring the price it does now, but the scarcity of this standby and the difficulty of substituting anything for it brings the price up. Some really fine blooms of Lawson and Enchantress are in the market, though the stems are not more than fifteen inches. Victory, too, is looking fine for the season and bringing a good figure. A few cosmos, dahlias and asters are still seen, but dahlias are considered a failure in this locality. At Chas. McKellar's, where orchids are a specialty, there are to be had now in addition to Cattleya labiata, oncidiums, Vanda coerulea and Dendrobium formosum. 3 to 5 for oncidiums, 25 to 30 for vandas and 40 to 50 for formosums are the prevailing prices.

The quality of PHILADELPHIA American Beauty roses improved greatly last week and this great flower resumed its premier position in the



STARTLING VALUES

WE OFFER BELOW

Field Grown Carnation Plants

EXTRA LARGE PLANTS, HEALTHY, FREE OF DISEASE
VERY CHOICE STOCK.

To convince the trade that these plants are the best values ever offered, samples furnished on request and all plants guaranteed.

Good investment, plant in after early Chrysanthemums.

Winsor,	\$6.00 per 100	\$55.00 per 1000
Enchantress,	6.00 per 100	50.00 per 1000
White Perfection	5.50 per 100	50.00 per 1000
White Lawson, Sara Hill	5.00 per 100	
Rose Pink Enchantress,		
Winona, Splendor,	6.00 per 100	50.00 per 1000
Pink Lawson, Harlowarden,	5.00 per 100	40.00 per 1000

S. S. PENNOCK-MEEHAN CO.

The WHOLESALE FLORISTS Philadelphia

1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

market. The supply was so much larger, however, that no advance in prices can be noted. Bridesmaid continues under grade and very little satisfactory trade could be done with it. Many growers have quit growing it altogether on account of the superior profit-bearing qualities of Killarney and Maryland. Bride is showing up better, and has far superior finish—better stems; better substance; better every way. Richmond has also improved a good deal. Carnations are commencing to

look like carnations once more—and are welcome. Supply, so far, entirely inadequate. Chrysanthemums more conspicuous with excellent demand, especially in the higher grades. Orchids show more variety, and find ready sale at good figures. In addition to cattleyas, there is a fair showing of oncidiums, phalaenopses, vandas and cypripediums—also a very few Dendrobium formosum. Lily of the valley, gardenias and dahlias remain normal. The latter are liable to stop any day now—if a sharp frost comes along.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 4		Oct. 4		Oct. 4		Oct. 6	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 30.00	30.00	to 35.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	25.00	to 30.00	15.00	to 20.00	13.00	to 15.00
" No. 1.....	8.00	to 15.00	20.00	to 25.00	10.00	to 15.00	6.00	to 10.00
" Lower grades.....	6.00	to 8.00	5.00	to 15.00	2.00	to 8.00	.....	to 4.00
Bride, 'Maid, Chatenay, F. & S.....	4.00	to 6.00	4.00	to 6.00	7.00	to 8.00	6.00	to 8.00
" Low. gr.....	2.00	to 4.00	2.00	to 4.00	2.00	to 5.00	.....	to 4.00
Killarney, Fan, & Sp.....	4.00	to 6.00	4.00	to 6.00	7.00	to 8.00	6.00	to 10.00
" Lower grades.....	2.00	to 4.00	2.00	to 4.00	3.00	to 5.00	.....	to 4.00
Richmond, Fancy & Special.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00
" Lower grades.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00
My Maryland, Kaiserin	2.00	to 6.00	3.00	to 8.00	4.00	to 8.00	4.00	to 8.00
CARNATIONS.....								
	1.00	to 2.00	1.00	to 2.00	.....	to 2.50	1.00	to 3.00
MISCELLANEOUS								
Chrysanthemums	15.00	to 25.00	8.00	to 20.00	15.00	to 25.00	12.50	to 20.00
Gladioli	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	.....	to 4.00
Asters .....	.50	to 3.00	1.00	to 2.00	.50	to 1.50	.....	to 1.00
Cattleyas .....	.....	to 40.00	40.00	to 60.00	60.00	to 70.00	.....	to 75.00
Lilies	12.00	to 15.00	12.50	to 15.00	12.00	to 15.00	15.00	to 18.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette .....	.....	to .50	.....	to 1.00	1.00	to 1.50	.....	to 1.00
Gardenias .....	.....	to 20.00	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00
Adonis	1.00	to 1.50	1.00	to 1.50	.50	to 1.50	1.25	to 1.50
Smilax	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	10.00	to 20.00	30.00	to 50.00	40.00	to 50.00	35.00	to 50.00
" " & Sprea. (100 bchs.)	18.00	to 25.00	30.00	to 50.00	25.00	to 50.00	35.00	to 50.00

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Telephones 4626-4627 Madison Square**Edward C. Horan
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grown for New York market, at current prices

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ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS, Telephone
759 Mad. Sq. 42 W. 28th St., New York****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Oct. 2 1909		First Half of Week beginning Oct. 4 1909	
American Beauty, Fancy and Special.....	12.00	to 25.00	15.00	to 25.00
" " Extra.....	10.00	to 12.00	10.00	to 12.00
" " No. 1.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Richmond, Fancy and Special.....	3.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Chatenay.....	.50	to 6.00	.50	to 5.00
Fly Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelities.....	2.00	to 3.00	2.00	to 3.00
" Ordinary.....	.50	to 1.50	.75	to 1.50

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THE WHOLESALE FLORIST OF NEW YORK
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WHOLESALE****VIOLETS, CARNATIONS, ROSES
ORCHIDS, CHRYSANTHEMUMS, LILIES**

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Consignments Solicited

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GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

\$2,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 519)

The local business barometer stood rather low last week and it may well be said that the supply of stock was still lower. It is nothing new, but an annual occurrence of shortage at this time with everybody wishing for some of those carnations which will go to waste when the glut is on next November or March. Considering how certain we are of these ups and downs in supply, it seems odd that no remedy has been brought out for it. D.

The present week is **NEW YORK** a refreshingly busy one with the wholesale trade. It started out on Monday with a vigor which recalled old times and has continued the pace right along ever since. The removal of the outdoor flowers from the arena has helped things amazingly and put new life into everybody. The price of lilies has doubled up and carnations would bring winter figures at once if the flowers received had anything like winter quality. Chrysanthemums are noticeably increasing in quantity as well as quality. The orchid pinch has been relieved by the incoming of *Cattleya labiata*, *Dendrobium Phalaenopsis* and *Oncidium varicosum* in quantity and the price of cattleyas has already been cut in two. Roses are improving in quality daily. Violets are also im-

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Are 'nvited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

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New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 2 1909		First Half of Week beginning Oct 4 1909	
Cattleyas	49.00	to 50.00	35.00	to 40.00
Lilies	4.00	to 6.00	8.00	to 12.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Chrysanthemums	12.00	to 15.00	12.00	to 15.00
Asters .....	.50	to 1.00	.50	to 1.00
Gladioli	1.00	to 2.00	1.00	to 2.00
Gardenias	5.00	to 25.00	5.00	to 25.00
Adiantum .....	.50	to .75	.50	to .75
SamMax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings	20.00	to 30.00	20.00	to 30.00
" " & Spreu. (100 bchs)	12.00	to 20.00	12.00	to 20.00

proving and have taken their place as a regular daily item. Hudson-Fulton gaities did not do the flower business any good—hurt it, rather.

The premium lists for the 15th annual exhibit of the New Hampshire Horticultural Society which is to be held in the town hall building, Peterboro, N. H., Oct. 27, 28 and 29, have been issued.



JOHN YOUNG'S HUDSON-FULTON WINDOW
Artist, George Hildenbrand.

Washington.—A general consensus of opinion among the trade is "nothing doing," although there has been not a little funeral work, there is no steady demand for flowers. The weather is ideal and that fact has delayed the return to the city of the flower buyers.

DO NOT BE FOOLED

by imitations of the

MEYER GREEN SILKALINE

See that you get the original. For sale by
all reliable houses.

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Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

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Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked,

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.
Asparagus Plumosus Nanus, strong plants from 2 1/4 inch pots, \$2.50 per 100, \$22.00 per 1000. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.
Asparagus plumosus, strong 2 and 3-in., \$3.00 and \$5.00 per 100. Sprenger, extra heavy, 3-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Begonia Gloire de Lorraine, fine stock from 2 1/4 inch pots, \$10.00 per 100. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.
Rex begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lilies.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs, Horseshoe Brand.
For page see List of Advertisers.
Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
For page see List of Advertisers.
S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
For page see List of Advertisers.
Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
For page see List of Advertisers.
H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
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Dingee & Conard Co., West Grove, Pa.
New Seedling Carnations.
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UNUSUALLY FINE STOCK.

A. C. Brown, Springfield, Ill.
Carnation Sangamo.
For page see List of Advertisers.
White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

Field-grown carnations, strong, healthy plants. B. Market, Queen, Fair Maid and Lawson, \$3.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

Carnation plants from field, Enchantress, Pink Lawson and White Lawson, extra fine, \$3.00 and \$4.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

Strong, healthy, field-grown P. Lawson, 5c. Albion D. Emerson, Westville, N. H.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.
For page see List of Advertisers.

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Golden Glow chrysanthemums; stock plants; 12 for 75c., 25 for \$1.25, 100 for \$1.50. C. A. Shaffer & Co., Alexandria, Va.

25,000 stock plants Golden Glow, October Frost, \$25 per 1000, to clear benches. I. M. Rayner, Greenport, N. Y.

Chrysanthemums, field clumps. Pompons, 4c.; singles, 8c. Hugo Kind, Hammon-ton, N. J.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CINERARIAS

Cinerarias, 2 1/2 in., \$5; 3 in., \$8; 4 in., \$12.50. Write for price list. Geo. A. Kuhl, Pekin, Ill.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen, 2 1/2 in., \$5.00; 3 in., \$8.00; 4 in., \$20.00. Geo. A. Kuhl, Pekin, Ill.

CYCAS PALM

Elmer D. Smith & Co., Adrian, Mich.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Herbert, Atco, N. J.

For page see List of Advertisers.

Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DAISIES

Queen Alexandra Daisies, rooted cuttings, \$1.00 per 100. Shasta Daisy Alaska, large field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

For List of Advertisers See Page 527

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago, Ill.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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Godfrey Aschmann, 1012 W. Ontario St.,
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The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.
Whitman ferns; Runners, \$2 per 100;
6 in., \$5 per doz.; 7 in. and 8 in., 75c, and
\$1 each. Cash with order. Edw. G. Davis,
Shawmut Ave., New Bedford, Mass.

FERTILIZERS

German Kali Works, 93 Nassau St., New
York, N. Y.
Potash.
Wm. Elliott & Sons, 42 Vesey St.,
New York.
Thompson's Manures.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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lyn, N. Y.
Immortelle Letters.
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Boston.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
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Rosens, 48 West 29th St., New York City.
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FLOWER POTS

W. H. Ernest, 28th and M Sts.,
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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GREEN GALAX.

Fresh from patch, ready for shipment.
Medium size, 40c. 1000; large size, 45c.
1000. Cash with order. B. H. Thompson,
R. F. D. 1, Dobson, N. C.

J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.
For page see List of Advertisers.

GALAX LEAVES

Green galax, new crop, fresh from the
woods, 50c. per 1000; \$4.00 per case of
10,000. Daggert ferns, 75c. 1000. The kind
you want. Cash with order. Woodruff &
Son, Lowgap, N. C.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Geraniums, Nutt, \$12.50 per 1000; Ricard,
Poitevine, \$15. A. M. Herr, Lancaster, Pa.
Geranium—Rooted cuttings S. A. Nutt
and Beate Poitevine, \$1.25 per 100; \$10.00
per 1000. October and November delivery.
Fine stock. Write for prices on large
quantities. See vinca ad. A. L. Munk, Mt.
Gilead, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
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Sharp, Partridge & Co., 22d & Lumber Sts.,
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Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
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Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

GRATE BARS

Broadway Iron Foundry Co.,
92 Broadway, Cambridgeport, Mass.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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A. T. Stearns Lumber Co., Neponset,
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King Construction Co., N. Tonawanda,
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Hitchings & Co., 1170 Broadway, New York.
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Pecky Cypress for Benches.
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gutter
attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and
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Michigan Cut Flower Exchange,
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.

HERBACEOUS PERENNIALS**HARDY PLANTS.**

Extra Fine Stock. All Field Grown.
Anthemis Tinctoria, Aegopodium Varie-
gata, Helianthus Max. and Rigidus, Rib-
bon Grass, German Iris eight distinct var-
ieties, and Rudbeckia Golden Glow, \$2.00
per 100. Achillea The Pearl, Bocconia,
Coreopsis, Hemerocallis Fulva, \$2.50 per
100. Agrostemma Coronaria, Funkia Coer-
ulea, Gypsophila Acutifolia, Pyrethrum
Ulignosum, Phlox Cameron, Phlox Peach-
blow, \$3.00 per 100. Gaillardia, \$3.50 per
100. Delphinium Formosum, Hemerocallis
Kwanso, Hibiscus Crimson Eye, Phlox
Isabell Dupuy, \$4.00 per 100. Shasta
Daisies Burbanks Imp., Lychnis Chalce-
donica, Rudbeckia Purpurea, Phlox Brides-
maid, \$5.00 per 100. Hemerocallis Midden-
dorfii, Japanese Iris, asst. colors, Siberian
Iris, Yuccas, \$6.00 per 100. Hardy Chry-
santhemums new and distinct varieties,
Eulalia Gracillima, variegata, Japonica
and Zebrina, Poppy Orientalis, \$7.00 per
100.

WAGNER PARK CONSERVATORIES,
Sidney, Ohio.

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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The Geo. Wittbold Co., 1657 Buckingham
Place, Chicago.
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In writing to Advertisers kindly mention Horticulture

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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HYDRANGEAS.

American Everblooming Hydrangea (*H. arborescens Grandiflora alba*), heavy two-year plants for agents' use. *Peonia Festiva Maxima* and *Queen Victoria*, low per 1000. One hundred other choice varieties of *Peonias* at low prices. The E. Y. Teas Co., Centerville, Ind.

Special. Hardy hydrangeas, four-year-old plants, extra fine, for Oct. delivery. 1 doz. lots, \$6.00; 100 lots, \$40.00. Special on 250 lots. Write. Geo. A. Kuhl, Pekin, Ill.

INSECTICIDES.

Nicotinic kills all greenhouse pests.

P. R. Paethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stumpp & Walter Co., 50 Barclay St., New York.

Killed Tobacco Dust.

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B. G. Pratt Co., 50 Church St., New York.

Scalecide.

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Geo. E. Talmadge, Inc., Madison, N. J.

Aphine.

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"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$5.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JERUSALEM CHERRIES

Jerusalem cherries, 4-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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KENTIAS

Godfrey Aschmann,

1012 W. Ontario St., Philadelphia, Pa.

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A. Leuthy & Co., Roslindale, Mass.

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Jos. Heacock Co., Wyncote, Pa.

Home-Grown, Established Plants.

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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.

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MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.

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NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

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NURSERY STOCK

John Waterer & Sons, Ltd.,

American Nursery, Bagshot, England.

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P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

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New England Nurseries, Inc., Bedford, Mass.

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W. & T. Smith Co., Geneva, N. Y.

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Bobblin & Atkins, Rutherford, N. J.

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Leesley Bros., Chicago, Ill.

Trees, Shrubs, Evergreens, Hardy Plants.

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C. R. Burr & Co., Manchester, Conn.

California Privet: Berberry Thunbergil.

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J. J. McManmon, Nurseryman, Lowell, Mass.

Shrubs and Specimen Evergreens.

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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

Shade and Fruit Trees, Hedge, Berry Plants, Asparagus Roots, Rhubarb. Kentucky Nursery Co., Louisville, Ky.

OLD HAMPSHIRE BOND PAPER

Hampshire Paper Co., So. Hadley Falls, Mass.

ONION SETS

Leonard Seed Co., Chicago, Ill.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.

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Carrillo & Baldwin, Secaucus, N. J.

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Ordonez Bros., Madison, N. J., Box 105.

C. Lablata: D. Bigibbum Arrived.

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Stuart Low & Co., Rush Hill Park, Enfield, Eng.

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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

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Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

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John Scott, Brooklyn, N. Y.

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PANSY PLANTS.**BROWN'S PANSIES.**

Extra select, superb giant, mixed pansy plants, \$2.50 per 1000; \$20.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

The KENILWORTH STRAIN of giant pansies, strong plants, 1000, \$3.00; 100 prepaid, 50c. RAINBOW blend contain the latest introductions of giant pansies, 1000, \$2.50; 100 prepaid, 45c. Chas. Frost, Kenilworth, N. J.

Giant pansy plants, good strain, \$2.50 per 1000. A. B. Reynolds, Ballston Spa, N. Y.

PATENTS

Siggers & Siggers, Washington, D. C.

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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

Gilbert H. Wild, Sarcoxie, Mo.

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The E. G. Hill Co., Richmond, Ind.

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S. G. Harris, Tarrytown, N. Y.

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Cottage Gardens Co., Queens, N. Y.

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Estate of David Fisher, Montvale, Mass.

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Sunnyfield Nursery Co., Poughkeepsie, N. Y.

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Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebra.

Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

PEPPERS

Celestial peppers, 2½ in., \$5.00; 3 in., \$8.00; 4 in., \$15.00. Geo. A. Kuhl, Pekin, Ill.

PHLOXES

Sunnyfield Nursery Co., Poughkeepsie, N. Y.

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PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.

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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O.

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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

POINSETTIAS

Poinsettias, 2½ in., \$6.00; 3 in., \$10.00; 4 in., \$20.00. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.

Primroses *Obconica* and *Chinensis*.

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Ed. Herrmann, North & Milton Aves., Baltimore, Md.

Chinese Primulas.

Primula chinensis, 9 colors mixed, 3 in., 2c.; *Obconica* *Ronsderfer*, *Lattmanns* Hybrids, 10 colors mixed, 2 in. 2c.; *Obconica gigantea*, mixed, 2 in. 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

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PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwkerk, Hoboken, N. J.
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Novelties in Roses.
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A. N. Pierson, Cromwell, Conn.
White Killarney, My Maryland, Ramblers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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The Rose, by H. B. Ellwanger, mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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A. J. Pieters, Seed Grower, Hollister, Cal.
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SEEDS

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Richards Bros., 37 E. 19th St., New York.
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Leonard Seed Co., Chicago, Ill.
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Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seedsmen.
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A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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Green Prolific Pole Lima Bean: Delicious Early Sweet Corn.
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H. E. Fiske Seed Co., Boston.
Cyclamen Seed.
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SHRUBS

The George Wittbold Co., 1657 Buckingham Place, Chicago.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, 2 1/4-in., \$1.50 per 100. Cash with order. L. Menand, Albany, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STANDARD THERMOSTAT

Standard Thermometer Co., 65 Lester St., Boston.
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STEVIA

Stevia, 2 in., 2 cts. Double Alyssum, 2 in., 2 cts. Cash with order. O. C. Day, Hudson, Mass.

SULFUR BURNER

Benj. Dorrance, Dorranceton, Pa.

SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1188 Broadway, N. Y.

VINCAS

Vinca Major Variegata and Vinca Major, fine clumps, large, \$4.00 per 100. See Geranium ad. A. L. Munk, Mt. Gilead, O.

VIOLETS.

Charles H. Green, Spencer, Mass.
Violets Field Grown.
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J. C. Schmidt, Bristol, Pa.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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Louisville Floral Co., Louisville, Ala.
Southern Wild Smilax.
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WIRED TOOTHPLICKS

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WIREWORK

Reed & Keller, 122 W. 26th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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SWEET PEAS, BEST THREE NEW SPENCERS FOR 1910.

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TOBACCO POWDER.

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AN INSECT FRIEND.

An insect, slightly resembling the dragon fly, was received at the Division of Zoology of the Pennsylvania Department of Agriculture by State Zoologist Surface, accompanied by a letter having the name attached of a prominent Luzerne county physician, who wrote: "The enclosed specimen is highly destructive to my maple shade trees. Kindly inform me what to do."

The specimen proved to be a Thalessa, which State Zoologist Surface pronounced "a destroyer of other insects, and, especially, of some of the worst enemies of trees." In this respect it is like the lady bug, which feeds upon the San Jose scale. The Thalessa has long antennae and a tail composed of three black hairs, like those of a horse's tail, each about three inches long. These form a long tube which it inserts in the holes made in trees by borers, and having encountered a borer it deposits its eggs in or near it. These eggs develop larvae which feed upon the borer and destroy it. Owners of fruit and shade trees, instead of destroying the Thalessa, should protect and preserve this useful insect.

NEW ORLEANS NOTES.

A storm of unusual violence, which started about midnight of the 19th of September and continued with increasing force for twenty-four hours, swept over this city and left wreck and ruin in its wake. Business was paralyzed for quite a while, and the florists were badly hit. A great many chrysanthemums are grown in the open here specially for All Saints' Day, November 1st, and in nearly every case these were blown down and badly damaged. Several greenhouses of olden type were

completely demolished. Lath sheds are the favorite structures for summering palms and the one on C. W. Eichling's place went down before the storm and almost completely ruined his decorative stock. A couple of sheds at J. A. Newsham's and the roof of a warehouse were also swept away, but no plants were damaged. The Metairie Ridge Nursery Co. had about 500 lights blown out, but here also all plants practically escaped damage. The worst wreck of all was at Horticultural Hall in Audubon Park, where a whole section of about 300 feet, foundations and all was toppled over, completely destroying the plants underneath. This was a relic of the Exposition of 1885 and was one of the show places in town. It will probably be rebuilt.

A table of Cattleya Bowringiana at Newsham's is a glorious sight at present, bud and bloom rioting in profusion. This cattleya does not seem to take in the northern markets, being one of the smaller flowered ones, but its bright cheerful color and rare beauty ought to triumph over mere size.

A feeling that we ought soon to entertain the S. A. F. and O. H. here at their annual convention is springing up, and while the idea has not quite crystallized yet, it will soon do so. This city is an ideal convention one, even in the month of August and much good would result to, as well as from, the mother society in a visit here.

OBITUARY.**B. Hasselbring**

Bernard Hasselbring, florist of Flint, Mich., died on September 25, after but a few hours' illness. Mr. Hasselbring was born in Germany in 1841, came to this country in 1872 and located in Saginaw; in 1877 rented the greenhouses at Flint, which later he purchased. A widow, four sons and a daughter survive him.

James Dennis

James Dennis died on September 16 at the Rhode Island Hospital, at the age of 73. He run the greenhouses at the rear of 3124 Pawtucket avenue, E. Providence, for a number of years. He leaves a widow and a daughter.

George Lambert

George Lambert, florist of Atlanta, Ga., was found dead at his boarding place on the morning of September 28.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

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RAILROAD GARDENING.

An excellent and practical paper on the comparative value of hardy perennial and tender plants in railroad gardening was read at the annual convention of the Railroad Gardeners' Association at Philadelphia by Patrick Foy, gardener for the Norfolk and Western R. R., Roanoke, Va.

Mr. Foy advocated the use of hardy plants as almost a necessity, from the fact that in the past twenty years railroad mileage has so increased, and property adjacent thereto has been so improved that were these grounds to depend on their plants for their adornment a great deal of it would be allowed to remain unadorned. He called attention to the fact that some of the most beautiful plants and shrubs that grow most luxuriantly in the southern states will not thrive in the northern states nor in the great northwest, so the fellow whose lot is cast in Pennsylvania, Massachusetts or New York, or out in some of the north-western states is deprived of the enjoyment of having in his collection the majestic Magnolia grandiflora, the beautiful Crepe Myrtle and the sweet scented Cape Jasmine, and the grandest of all climbing roses, the Marechal Niel rose, and many other things which are at the disposal of the gardener in a more favored clime. He recommended the planting with hardy decorative plants all station grounds away from headquarters and of less importance, and that prominent centers by all means be planted with both tender and hardy plants.

KANSAS CITY'S PARK SYSTEM.

Under the provisions of the law which permits this city to issue \$150,000 in bonds for the acquisition of land for public parks, the park commissioners have just issued \$45,000 worth of bonds. Out of the proceeds, land is to be purchased or condemned for artificial lakes, sunken gardens and a parkway from Washington boulevard and Tenth street to Tauromee avenue and Eleventh street. In addition, two playgrounds and a small park are to be provided.

In the development of Kansas City, the board of park commissioners are giving attention to a system of boulevards. Engineers are now laying out a cliff drive to follow the Kaw river bluffs; extensions of the boulevards in the heart of the city also are proposed.

In addition to the permission to borrow \$150,000 for the acquisition of lands, the municipal authorities can levy a one-half mill assessment for the maintenance and improvement of the park system. This amounts to \$35,000 a year.

Much of the land taken for park purposes is low priced property, and the municipality is saving money by purchasing the ground at present. George E. Kessler, who designed the park and boulevard system of Kansas City, Missouri, is supervising the work here. One of the active promoters of the improvement is The Mercantile Club, which is one of the affiliated organizations of the American Civic Association.

Cornus florida in the Boston parks is loaded with brilliant fruit this year. The coral berries in association with

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—Young man as decorator and designer; good salesman; must be thoroughly experienced for retail store trade; state references and salary expected. Fred C. Weber, 4326 Olive St., St. Louis, Mo.

SITUATIONS WANTED

SITUATION WANTED—By a gardener and orchid grower; thoroughly experienced, able and willing to work up a collection with any lady or gentleman requiring his services; good experience in greenhouse plants, vegetables and lawn; married; middle age; best of references. Address Gardener, Box 114, Secaucus, N. J.

WANTED—Young man, single, with experience in growing ferns, orchids, sweet peas, etc. Commercial. \$55 a month. Address J. 28, care HORTICULTURE.

FOR SALE

MUST SELL AT ONCE

Two greenhouses (16x61, 25x152) cost \$2300; dwelling house, cost \$2800; two-story barn, cost \$500; elevated tank, cost \$250; chicken house, \$100; 3 1/2 acres land—right on the pike worth easy \$300 an acre—say \$1050; a total of \$7000. All new, built a year ago, and run successfully by party who has had to go away for his health. Will sell for \$6000, and give easy terms—say part cash and part on mortgage. Mt. Ephraim Pike, 6 m. from Camden, N. J. A. B. McGuffey, care Horticulture, 9th and Market Sts., Philadelphia.

FOR SALE—Collection of over 400 varieties of pressed, wild growing Flowers and Plants. Classified and with botanical names attached. Gathered in the years of 1861-1862. Very well preserved. Valuable for botanical studies or for collectors of curiosities. Address Nielsen, 104 Salem St., Portland, Maine.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 20 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/2 acre, 8-room house, fruit house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE—1200 ft. of good 4 inch pipe; also large sectional Sunray boiler. Apply to Mrs. H. Baeppler, Teaneck, P. O. Bogota, N. J.

BOILER FOR SALE.

Weathered eight section boiler, in use two seasons, good as new, \$100. Cash. Chas. E. Evans, Watertown, Mass.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

the bronzy red tint of the changing foliage make a fine effect and help to justify Mr. Pettigrew's characterization of this species as the best of our native ornamental trees. Other cornuses, the crataeguses, viburnums, etc., are all well supplied with fruit this season.

CHICAGO NOTES.

General News.

A gem of beauty is the sunken garden at the Sears, Roebuck & Co.'s plant on the west side of Chicago. This is one of the largest mail order houses in the world and apparently no expense is spared to beautify their grounds. Practically all is done for the pleasure of their 10,000 employees; as their grounds are so extensive, little of the gardens can be seen from the streets. A special feature is a pergola, 25 x 125 ft., its artistically shaped roof supported by massive concrete pillars, which material also forms the floor and steps as well as the entrance to the garden itself. Sixty thousand plants each year are required and from six to twelve men, under Head Gardener Geo. H. Cook, devote their time to the grounds. The banks of the garden are completely hidden by geraniums, begonias, asters, etc., while beyond the banks are shrubs and trees.

The gardens are beautifully laid out. Beds of various designs, gorgeous with color, all harmoniously arranged to show what a beauty spot can be made in connection with great walls of brick and with a mammoth business enterprise as the main feature. It is to the credit of the management that the tender plants are not allowed to be killed by the frost, but are given to the employees in the fall.

A greenhouse for the care of their palms, etc., is now in process of construction, and others will be built later. If our large cities had more such beauty spots as this, what object-lessons in horticulture they would be to the people!

The neat invitations sent out by the Wholesale Florists' Employees' Club are meeting with a ready acceptance. The officers, H. W. Rogers of Weiland & Risch, G. F. Poehlmann of Poehl-

The Chicago Retail Florists' Association has issued a circular dated October 1, to the wholesalers, asking them to refrain from selling to the consumers or allow their employees to do so. They also ask that no designs be permitted to be made up on their premises. October 9th is the limit in which to send a reply and if none is sent by

vicinity of Chicago, and though it has been a poor year for out-of-door flowers in general, still there are enough in the average garden to supply all ordinary wants.

Lloyd Vaughan has returned from New York where he has been to look up the violet question for the coming



GARDENS OF A CHICAGO BUSINESS HOUSE

The Pergola.

that time it is to be regarded as a refusal to comply. The request is signed by forty-three of the leading retail florists of Chicago.

A one-story structure for the home of the South Park Commissioners, Chicago, is under way and will be enclosed before the snow flies. Supt. J. F. Foster says it will be a model of convenience, with private rooms for

season. Mr. Vaughan found things in the Rhinebeck district in a flourishing condition and shipments are expected to begin about the middle of November.

A number of Chicago firms will exhibit at the State Fair at Springfield this week. The scarcity of flowers has prevented many from taking this opportunity of showing their stock and their skill in handling it.

The remodeling and repairing of the dome of the Garfield Park Conservatories is begun, under the direction of the city architect, Henry Seirks.

Personal.

Mrs. August Poehlmann is home from a three weeks' stay in the hospital, and is fast regaining her health.

Percy Jones, whom we reported last week as being ill and consequently absent from the Flower Growers' Market of which he is manager, was taken to the hospital a few days ago and after an operation pneumonia set in, making his condition the cause of grave anxiety. He is said to be on the road to recovery, though still very sick.

Visitors: A. Leedle, Springfield, O.; Dan. MacRorie, San Francisco, Cal.; E. A. Peterson, Hoopstown, Ill.; John Bourgaize, of North Side Greenhouses, Racine, Wis.



GARDENS OF A CHICAGO BUSINESS HOUSE

Formal Bedding.

mann Bros., and J. C. Enders are getting everything in shape and at a meeting Friday evening will perfect all arrangements for elaborate decorations, etc. The club consists of fourteen members, representing various wholesale houses in the city and their annual events are always a great success.

board and secretary and various clubs, and a fine, big, well-lighted place for the work of the engineering department. It is expected to be ready for occupancy April 1st, 1910.

The retailers about the city are reporting very poor business. No severe frost has as yet been reported in the

MAKE THE FARM PAY

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges



Prof. Brooks

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IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

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... Manufactured by ...
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —
Pulverized Manure Co.
31 Union Stock Yards CHICAGO

Which Spray Pump?

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards.

Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.

281-285 Franklin St., Boston

SPRAYED

CATALOGUES RECEIVED.

Champion City Greenhouses, Good & Reese Co., proprietors, Springfield, O.—Fall Trade List for Nurserymen and Dealers only. Roses are a leading specialty.

Royal Tottenham Nurseries, Ltd., Dedemsvaart, Netherlands.—Wholesale Trade List of hardy perennials, rock plants, ferns, aquatics, conifers, shrubs, etc. A very complete list.

V. Lemoine et Fils, Nancy, France—List of Gladiolus hybrids Lemonet varieties; also Nanceianus and Dracophalus varieties of gladioli, her-

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

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baceous peonies and other specialties of this well-known firm.

Daniel A. Clarke, Fiskeville, R. I.—Clarke's Hardy Flowers, Fall, 1909. A booklet, prettily illustrated with portraits of desirable garden perennials.

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925,546. Seed Planter. George T. Pine, Scott Depot, W. Va.

NEWS NOTES.

Gardiner, Me.—John C. Read, florist of West street, has purchased the Leonard Merrill farm in W. Gardiner and will take possession.

Cincinnati, O.—Park Superintendent Rodgers' recommendation that the old Hyde Park burying ground be planted as a rose garden has been accepted by the park commission.

Derry, N. H.—W. J. Kingsbury has made many improvements in his greenhouses this summer, and when the work is completed he will have an attractive, up-to-date establishment. Samuel Bloomfield is the superintendent here.

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Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
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800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
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No.	Top.	Deep	Price
1	13 1/2	12	\$1.00
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3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

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Skaneateles, N. Y.—J. G. White, one house.
Chester, Pa.—J. Lazenby, range of houses.
Lone Oak, Ky.—R. C. Gore, one house.
Greenfield, Mass.—A. E. Lawrence, one house.
New Cannan, Ct.—Stephen Hoyt, remodeling.

- Holdredge, Neb.—Davidson Floral Co., addition.
St. Paul, Minn.—Holm & Olson, house, 24x110.
N. Milwaukee, Wis.—A. Groth, house, 20x150.
Kirkwood, Mo.—W. J. Edwards, range of houses.
Auburn, N. Y.—W. J. M. Edmonds, range of houses.
Cold Spring, N. Y.—Jas. Cunningham, house, 24x100.
Providence, R. I.—A. J. Johnson, two houses, 25x100, 18x34; office, 14x18.
Pontiac, Ill.—W. J. Miller & Son, three houses, each 27x100; boiler room, 20x81.

Rochester, N. Y.—The will of Edward O. Graham, the veteran nurseryman, has been filed. An estate of \$10,000 is left to his wife; no mention is made of his three daughters, all minors.

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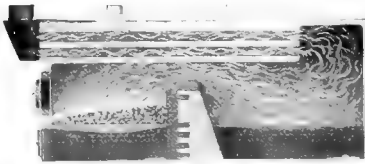
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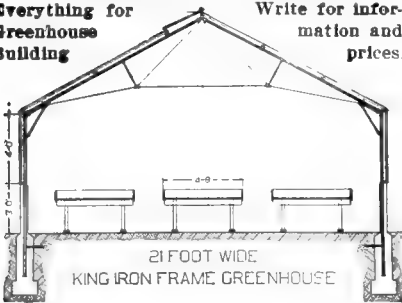
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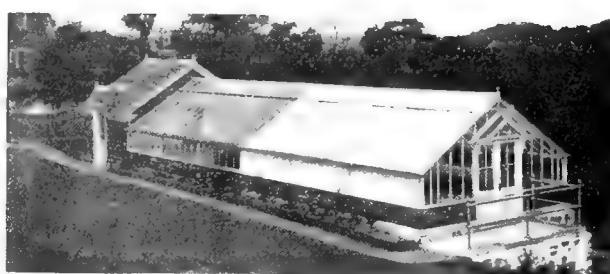


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It has an all steel, all galvanized frame of unusual strength, but extreme lightness. It is in fact the lightest greenhouse built, and the lighter your house, the more and better your flowers will be.

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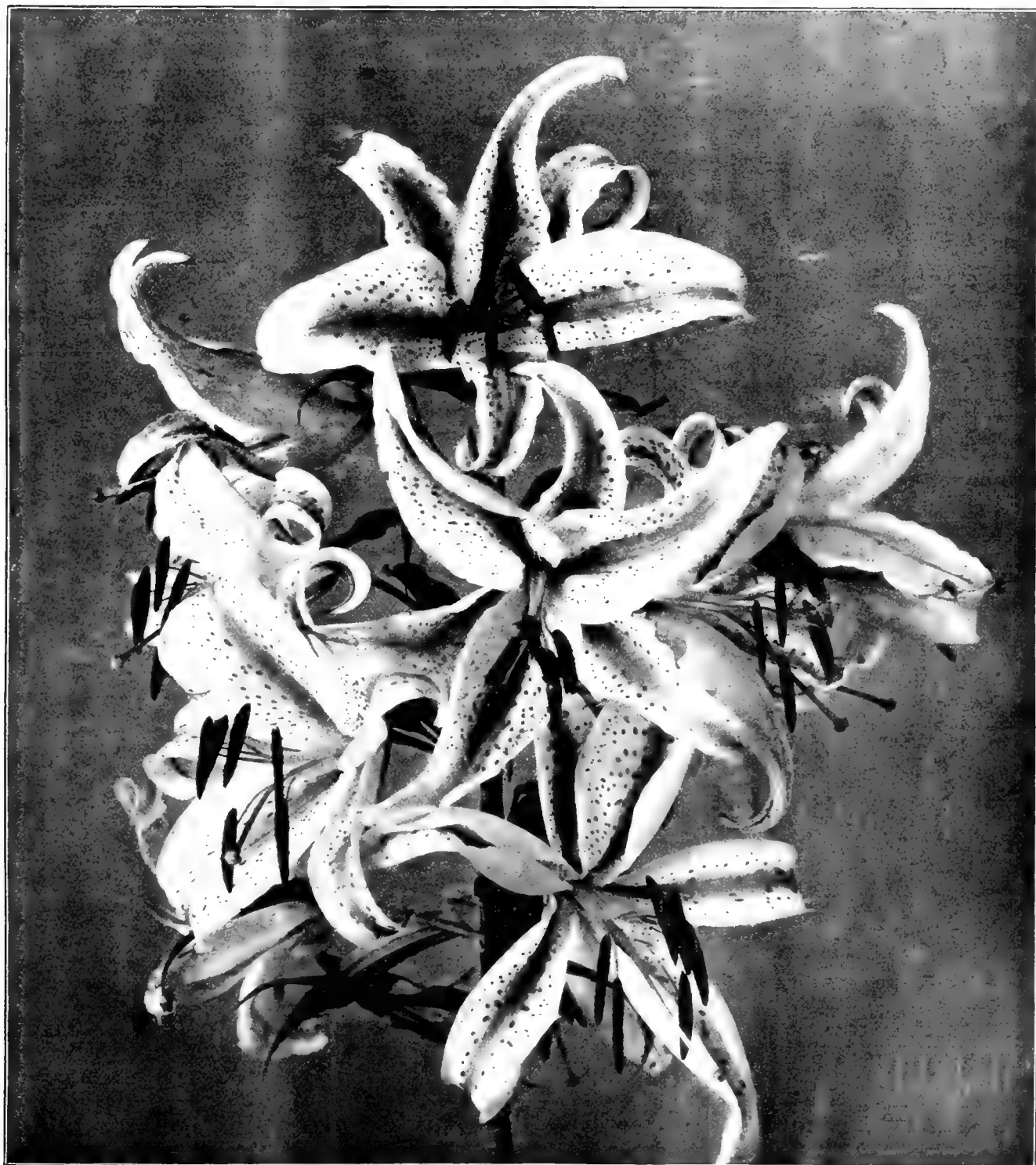
U-BAR GREENHOUSES

HORTICULTURE

Vol. X.

OCTOBER 16, 1909

No. 16



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While this resembles Elegantissima in a general way, it is far superior to that variety, on account of its perfect habit. Yet it can hardly be compared with Elegantissima except in a general way, because it occupies a place by itself, and is as distinct from Elegantissima as that variety is from Piersonii, — in fact, it bears the same relation to Elegantissima that Scottii does to Bostoniensis.

Elegantissima compacta has an ideal habit. The fronds are considerably shorter than those of Elegantissima, and it is a more compact plant. It throws a great many more crowns naturally, making a very bushy, dwarf, compact plant. The difference between the two varieties can be seen at a glance.

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16 Acres for Fall Delivery.

WRITE FOR PRICES.

GILBERT H. WILD, Sarcosia, Mo.

Notes from the Arnold Arboretum

Many new Clematises have been introduced recently from China where the genus seems to be very well represented; two of them, *Clematis nutans* and *C. orientalis* are now in full bloom and must be considered, particularly on account of their late flowering time, desirable additions to our ornamental vines. *Clematis nutans* resembles in its foliage much our native *C. virginiana*, but the flowers are entirely different. It is apparently a high climbing shrub of vigorous growth. The bright green long-stalked leaves are pinnately divided with slender stalked leaflets from one and a half to three inches in length, ovate in outline, deeply and incisely toothed and sparingly hairy on both sides. The flowers are disposed in many-flowered short panicles borne high above the foliage on slender upright stalks up to six inches long; the individual flowers are nodding, yellowish white, but little over one-half inch long and resemble in shape those of the hyacinth. The cluster of nodding flowers borne on slender stalks high above the foliage give this Clematis a very distinct appearance unlike any other species.

The second species is *Clematis orientalis*, or more correctly a new variety of this very variable species. The slightly bluish green leaves are also pinnate, but the leaflets are smaller than those of the preceding species and generally three-parted, otherwise nearly entire. The yellow nodding flowers appear in axillary clusters individually on slender stalks from two to four inches long and are about three-quarters of an inch long; they are followed like those of the preceding species by showy heads of long-tailed feathery fruits. The flowers, though not as large as those of *C. tangutica* described in an earlier issue, are very conspicuous on account of their yellow color. Two more species of Clematis are coming now into bloom and will be described in the next issue.

Besides *Elsholtzia Stauntoni* from North China mentioned in an earlier issue there has been recently introduced from Central China a second species, *E. polystachya*, forming a roundish bush from four to six feet high similar in foliage to the preceding, but with white flowers. The short-stalked lanceolate leaves are from four to six inches long, distinctly toothed, long-pointed and hairy and grayish green on the under surface. The small white flowers are disposed in slender spikes from three to seven inches long and produced in great profusion at the end of the branches. The appearance of the roundish bush studded all over with the white flower spikes is quite striking, though not as showy as *E. Stauntoni*.

A handsome new red-fruited *Cotoneaster* from Central China is *C. Dielsiana* (*C. applanata*). It is a deciduous upright shrub with slender horizontally spreading and arching branches thickly studded in autumn with scarlet fruits. The short-stalked leaves are generally ovate in outline, about one inch long, dull green on the upper and grayish tomentose on the lower surface. The pinkish flowers appear in few-flowered clusters and are rather insignificant.

Another handsome species is *Cotoneaster humifusa*, a creeping shrub with evergreen foliage. The short-stalked glabrous leaves are oval in outline, about one-half inch long, dark green and glossy on the upper and whitish on the lower surface. The solitary white flowers measure nearly one-half inch in diameter and are followed in autumn by bright red fruits. The shrub with its long creeping and rooting branches is well suited for rockeries and rocky banks.

Alfred Rehder.

Three Good Garden Roses

After two seasons' trial under conditions of weather distinctly unfavorable, Rhea Reid has proved to be the best of all crimson roses for garden planting. A sturdy vigorous grower, hardy in the vicinity of Boston and probably equally so in places much farther north, it fills a place hitherto vacant. The flowers as grown outdoors are dazzlingly brilliant, with size and form equal to the best H. P. varieties and, blooming freely on the young wood, all one has to do is to keep it growing to get flowers in succession all summer and fall.

Another rose which cannot be too highly spoken of in the same respect is Wellesley. This is perhaps the freest bloomer of all the H. T.'s, being several days quicker than even that well proven favorite, Killarney, in producing its second crop after the June flowering. The growths are tall and stout and the flowers are produced in abundance. It also is perfectly hardy in Boston and no garden should be without it.

A writer in some horticultural paper which we read recently referred to the Burbank rose as being of inferior character and practically identical in color with the old Hermosa. This was certainly a mistake, as Burbank bears a larger flower with petals loosely rolled back and has foliage not at all like Hermosa. Moreover, the flowers are almost cherry red, whereas Hermosa is delicate pink and with cupped petals. While the individual flower is not to be compared with even the poorest of the garden H. P. varieties, yet the effect in mass of the Burbank rose is superlatively good, and its hardiness and unexcelled freedom of bloom place it among the indispensables. Its proper place in the rose garden will be quickly found by the observant planter.

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culture because of the inadequate remuneration in the park department. There seems a lack of discrimination between the ordinary type of workman and the well-trained, well-read and proficient all-around gardener in most places and it is notorious that the services of the latter class are, in many instances, shamefully underestimated and underpaid. When such men switch off into commercial lines, commercial floriculture is the gainer, sometimes more than the individual, who, if he has not had the benefit of a commercial training earlier in life, is liable to encounter many unforeseen discouragements and bitter experiences as he progresses.

Vicissitudes of the flower trade

Referring to the carnation famine existing at the time of writing, our correspondent in Detroit, in last week's notes, remarked that it seemed odd no remedy for the shortage had been found. Our reports from various markets this week indicate that the remedy was not long in making its appearance, and, like the North Pole finding, there was entirely too much of it. Following directly upon the discomfiture of the garden crops, the carnation girded itself for action and for a few days it certainly "made good," but the reverse came as suddenly as the uplift and, in some markets at least, it didn't take twenty-four hours to cut the prices one-half and load up the wholesaler's storage boxes with carnations of high and low degree. We are sorry. These acute fluctuations are bad for everybody. Now enters the chrysanthemum and all thought of famine for the next few weeks may be promptly dismissed. It will require a big allotment of that promised prosperity to absorb the flower crop—roses, carnations, chrysanthemums, violets, orchids—which is now in sight.

The "sleepy" carnation

We have received a communication from a correspondent who is engaged in the wholesale cut flower business calling attention to the numerous complaints received concerning the non-keeping qualities of carnations shipped out by him. His care to procure and ship only absolutely fresh stock counts for nothing with the customer, who will accept no other explanation than that the flowers were old. He has tried every imaginable device in handling and caring for the stock and is almost in despair over the repeated failure to find any process that can be depended upon to obviate the trouble. We have reminded our correspondent that the difficulty complained of is an old one which has taxed the ingenuity of the most advanced carnation growers and exhibitors to explain. All sorts of theories have been advanced in discussions of the subject of "sleepiness," as it is called, in carnations, at the meetings of the American Carnation Society and elsewhere but the stubborn ghost still walks and the reproach of having sent out worthless goods, on which he cannot enforce payment, is the charge which the carnation shipper must continue to face. C. W. Ward says in his book, "The American Carnation," that "the chief value of any flower consists in its being placed in the hands of the consumer in a fresh, lasting condition," and dwells upon the necessity of proper handling of the blooms from the time they are cut, factors in which are—picking in early morning, when the blooms have not reached full maturity, avoidance of changes in temperature and impure air, etc., all of which, together with much other information essential for the full success of anyone growing or dealing in the divine flower is fully covered in the book above mentioned.

The gardeners' predicament

The question of gardeners' wages in public and private grounds, brought up for discussion in the last meeting of the New York Florists' Club, acquires added importance through the news that the accomplished gardener of Elizabeth Park, Hartford, Conn., has resigned to go into commercial horti-

Cattleya citrina



The picture represents the same plant which was illustrated in *HORTICULTURE* in the issue of December 12, 1908. In the first picture it bore two sprays of two flowers each; it now shows three, indicating that the treatment as recommended in the article by M. J. Pope in connection with the first illustration is congenial to this *Cattleya*. A cool, airy house such as primulas, azaleas, etc., are grown in; very little water but a cool, moist atmosphere at all times, is Mr. Pope's prescription for success with this interesting, sweet-scented and altogether beautiful flower. The species has the reputation of "going back" after a few years of cultivation. That this is due to improper cultural methods and not a fault of the plant itself would seem to be the logical inference from Mr. Pope's experience with it. No doubt this eminently successful orchid grower will be pleased to give, through *HORTICULTURE*, on request, further detailed information on this or any other topic connected with the growing of orchids.

European Horticulture

DAHLIA AND AUTUMN FLOWER SHOW AT LEIPZIG

The German Dahlia Society—a union of a relatively few enthusiastic amateurs—is, notwithstanding the fewness of the members, one of the most active of German horticultural societies. They understand how, by means of their annual journal and various exhibitions to keep alive an interest in dahlias and other autumnal flowers. The first exhibition was held at Magdeburg in 1898, and that at Leipzig was the thirteenth in the series. The late exhibition was held in the Festival Saloon of the publishing house and the adjacent rooms, all of them very suitable for such a purpose owing to the admirable light-

ing arrangements that allowed every object to be seen at its best. The show was abundantly advertised: colored posters, which, however, owing to their faint coloring were not visible at a moderate distance, placards in the trains, etc., made the show known to the inhabitants of the city, yet the attendance was but moderate owing to the rainy Sunday.

The "Show" dahlia has had its day in Germany, and the various modern forms of single, partially double, collarette, etc., with stiff stems throwing the blooms well above the foliage have taken its place; so we find the gigantic chrysanthemum-flowered, the American *Fantasie*, and the enormous decorative varieties and the modest little *Pompons*. As actually new forms of these last, mention may be made of *Kardinal* and *Puppenfee*.

Fairy Doll the latter looking like a modern double daisy in shape and size, and almost pure white. The exhibition was astonishingly filled with German varieties, and the names attached to them were descriptive in many instances of their color. Two collarette varieties were quite up-to-date, namely, *Cook* and *Peary*.

It is impossible in a note of this kind to give the names and descriptions of the varieties, or those of the exhibitors, so numerous were they.

BERBERIS GAGNEPAINII

The list of shrubs, natives of temperate climates possessing an ornamental character, has been enriched by the introduction of *Berberis Gagnepainii* by Messrs. J. Veitch of Chelsea. The species is found in northern India and western China, where it and a number of allied forms are met with. The seeds were collected by E. H. Wilson. The species flowered in 1907, and was then identified at the Kew Botanic Gardens with *B. acuminata*, Franchet, and figured in the *Botanical Magazine* under that name.

The typical *B. acuminata* has larger, coarser, thicker leaves armed with stouter spines than *B. Gagnepainii*, and there are other differences which may be due to local conditions. So it is somewhat uncertain whether they are the same plant. A figure of *B. Gagnepainii* showing foliage and fruit, together with a descriptive note by W. Botting Hemsley, appeared in *The Gardener's Chronicle* for October 2nd.

APPLE ST. EVERARD

This variety is the result of a cross of the well-known Cox's Orange Pippin with Margil, a medium sized delicious variety. The fruit of the new comer is of middling size, roundish, and with the distinctive reddish stripe of Margil. Its flesh is of a rich flavor and juicy—an excellent dessert apple. The variety was shown by J. Veitch and Sons at the Royal Horticultural Society's meeting at the Vincent Square Hall on September 28, and received a first class certificate from the Royal Horticultural Society.

AN ANGLO-JAPANESE EXHIBITION IN LONDON, 1910

It is announced that an Anglo-Japanese exhibition will be held at Shepherd's Bush next year, in which there will be gardens in Japanese style, laid out by gardeners from the Island Kingdom. We have seen such gardens before, but doubtless the projected gardens at the White City will be laid out in a more ambitious manner than those. At the Vienna International exhibition in 1873, an extensive garden with stone lanterns, bridges, streams of water, flat stepping stones as paths and fords was a greatly admired object in the grounds.

Frederick Moore

NEWS OF THE CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The first meeting of the club in their new quarters at the Fort Pitt Hotel on Tuesday, Oct. 5, brought out a large attendance of members. The surroundings were delightful, and every one seemed favorably impressed. In the absence of Prest. Burki, Vice-President Randolph took the chair.

It was Dahlia Night, but to the disappointment of the members, the shipment promised from R. Vincent, Jr., & Sons, White Marsh, Md., did not arrive. Neil McCallum of West End Park showed a collection of hardy flowers in recognition of the variety and excellence of which he was unanimously awarded a gratuity. Frank Crook showed *Cattleya labiata* and *Odontoglossum grande*. The cattleyas were of Sander's stock, shipped in 1904, and still holding up well, considering our Pittsburgh climate.

The judges, J. Hutchinson and Jas. Moore, awarded a substantial prize to this exhibit.

Randolph & McClements showed a dozen of a new yellow sport from chrysanthemum Polly Rose, which looked very promising, also about fifty pots of fine crotons and other foliage plants for which they were awarded a certificate of merit.

Asked how to get mealy bugs off crotons, Mr. Randolph said he never allowed them to get on, but if unfortunately any plants were infested he recommended Fels Alco-Naptha soap. Among his plants he pointed out *Ficus pandurata*, as hardy as an aspidistra, which though introduced a number of years ago, is only just beginning to take.

Jas. Moore of Phipps' Conservatories showed a specimen bloom of *Aristolochia gigas*, a curious freak, looking as though it was a cross between a goose and a pitcher plant.

The very successful outings of the club in 1908 were called to mind and it was decided to have the first one of this season on Monday, November 1st; the members to meet at Phipps' Conservatories, Schenley Park, at 10 a. m., and after inspecting the chrysanthemums there to visit Randolph & McClements.

The Finance Committee reported the matter of financing the Carnation Convention as well under way and everything in good shape. Five new members were elected and three names proposed for membership.

Subject for next meeting: Chrysanthemums.

H. P. JOSLIN, Sec'y.

NEW YORK HORTICULTURAL IMPORTERS' PROTECTIVE ASSOCIATION.

A regular meeting of the New York Horticultural Importers' Protective Association was held on Thursday, October 7th at the Astor House, New York; a full attendance being present. This organization was formed about two years ago, primarily for the purpose of regulating credits of buyers of plants, seeds, bulbs, etc. It includes practically all of the large wholesale importers and agents.

J. McHUTCHISON, Sec'y.

NEW YORK FLORISTS' CLUB.

The meeting on Monday evening, October 11, was attended by about seventy-five members. Plant market committee, Transportation committee and Outing committee all presented favorable reports, the latter showing a net profit of \$61.97. Three new members were received and six were proposed. The proposed amendments to the By-laws developed lots of oratory. There were amendments to the amendments, motions to lay on table, refer, etc., but the proposition to permit nominations for officers from the floor at the November meeting was finally passed by a decisive vote.

An interesting discussion on the alleged inadequate pay received by gardeners in the city employ was launched by Robert E. Berry. The subject was committed to the tender mercies of the legislative committee.

Information of the death of the sister of J. K. Allen and of the son of J. B. Nugent being given, Messrs. Shaw, Gutman and Rickards were appointed on the first mentioned and Messrs. Traendly, Pepper, and Miller on the last named to prepare suitable resolutions of condolence.

H. A. Barnard of Stuart Low & Co., Enfield, England, was discovered in the hall and duly called upon to address the club, which he did in characteristically appropriate and pleasing manner, remarking on the beauty of the landscape, the vastness of the country, the adornment of the railroad stations, the comforts enjoyed by the middle classes, and other impressions gained in his recent trip in the Eastern States. He especially dwelt upon the wonderful future before the American horticultural industries and the boundless field for the florists' vocation.

The award committee gave a cultural certificate to C. H. Totty for an exhibit of very handsome chrysanthemum blooms.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Canna.

Public notice is hereby given that Vaughan's Seed Store, 84 Randolph street, Chicago, Ill., offers for registration the plant described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description—Seedling; deep velvety green foliage. Very free and robust grower, extra free bloomer, carrying three and four perfect flower spikes at one time. Color bright vermillion with narrow golden yellow border. Four feet.

Name—Multiflora.

W. N. RUDD, Secretary.

October 8, 1909.

CONNECTICUT HORTICULTURAL SOCIETY.

Our first October business meeting was held on the 8th instant, President Huss presiding. Two applicants were received into membership; namely, Shiras Morris, of Hartford, and C. D. Wisner, of South Manchester. Inasmuch as our recent dahlia exhibition fell on two rainy days, and the revenue pertaining to it was consequently small, the announcement by the secretary that the bill introduced into our last legislature increasing the annual appropriations by the state to incorporated agricultural societies, had been passed and approved, was received with gratification and applause. Under the provisions of this bill \$6,000 is annually appropriated to such societies for the payment of premiums on agricultural products; each incorporated agricultural society applying for it, and previously having paid out \$200 in premiums, can receive reimbursement from the state for that sum; and any balance then unused out of the \$6,000 is payable, on application, pro rata, to such societies as expend over \$200 in premiums. It is believed that a great stimulus will be given to the healthful competition among the members of our state horticultural organizations by this new measure; \$100 only, and the contingent pro rata surplus mentioned, being available under the old law, to each society.

Our society is in a flourishing condition, retaining most of its old members, and constantly receiving new ones. All are looking forward with expectancy to our forthcoming chrysanthemum exhibition at Hartford, Nov. 4 and 5.

GEORGE W. SMITH, Secretary.
Melrose, Conn.

DETROIT FLORIST CLUB.

The Detroit Florist Club, under the energetic leadership of Mr. Charles Plumb, seems to have started an activity which is bound to be of permanent benefit to its members. Of course, no officer can succeed without the support of the members, but the program lined out by the committee on essays alone is certainly tempting enough to bring about a full attendance. A committee of two is already busy to gather facts from various prominent florists throughout the country, to compile statistics as to the cost of running a retail store and the cost of running a greenhouse plant. Two growers and two retailers are compiling data as to the productiveness of various plants and flowers under cultivation, respectively, and the demand of the buying public for these products. The result of this investigation will be given out in time to serve as a guide for next season's plantings.

Such features as "Store management," "Greenhouse management," and "The desirability of a theoretical training for young florists" will be treated by outside experts. Evenings devoted to such important discussions interspersed with evenings for entertainment are bound to bring out full attendance and lasting good.

FRANK DANZER.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual fruit exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Boston, October 19 to 24, inclusive. This exhibition will be held in connection with the New England Fruit Show at which every New England state will present the best products of its orchards.

The main object of this combined exhibition is to demonstrate the superior quality of New England fruit; to encourage better methods of production and marketing, and to call attention to the possibilities of commercial fruit growing in the New England States.

On account of the orchid show in May, 1910, for which extensive preparations are being made, the usual spring exhibition at Horticultural Hall, Boston, will be omitted next year. The January show will also be omitted, but there will be an exhibition in February which, if the proposed plan of amalgamating the market shows with it should be adopted, will be a very extensive and interesting affair, especially from the florists' trade standpoint. The dates set for this show are February 26, 27 and 28, and not February 19 and 20, as has been announced elsewhere.

New England Fruit Show.

The several New England States will hold a Fruit Show at Horticultural Hall, Boston, Mass., from October 19th to 24th, 1909.

This proposed show is one of the results of the meeting of the Governors of the New England States in Boston, November, 1908, at which meeting questions relative to the promoting of New England's fruit interests were discussed. This will not only be a collection of fine fruit, grown entirely in New England, but it is to be of educational value, for besides exhibits of fruit, orchard tools, spraying outfits, and materials, there will be lectures by the best experts in the country on all matters pertaining to fruit growing, and problems which the orchardist will encounter will be discussed. New England has a wonderful future before her in fruit growing, for, contrary to the general opinion, her soils are not run out nor her farms abandoned for lack of soil fertility.

Lack of knowledge and industry are largely responsible for the present condition of fruit growing here. New England can produce as good looking apples as the West. This has been proved beyond a doubt by the few men who are really caring for their orchards, and the quality of New England grown apples surpasses that of apples grown in any other section of the country.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Owing to the New England Fruit Show occupying all the halls in the Horticultural building on October 19, the regular club meeting will be held on Tuesday evening, October 26 at 8 o'clock. J. K. M. L. Farquhar will favor us with a stereopticon lecture on "Hardy Bulbous Plants." He will also show a number of views of interesting horticultural sights as seen



Trophies to be Competed for in the Professional Classes at the Portola Flower and Fruit Show, San Francisco, Cal.

during his late European trip. Numerous exhibits are planned and the meeting will undoubtedly be very largely attended.

At the meeting on Nov. 16 Miss Louise Hetzer of the Lowthorpe Ladies' School of Horticulture, Groton, Mass., will speak on "Jottings of a Journey Abroad." Ladies will be made welcome at both the October and November meetings.

W. N. CRAIG, Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

At the joint exhibition of this Society and the American Institute of the City of New York, to be held in New York on November 10, 11 and 12 the following special prizes are offered, open to all unless otherwise stated.

Class A—C. S. A. prize, Best 10 blooms of any one variety, long stems, Silver Cup.

Class B—H. W. Buckbee prize, Best 12 blooms 12 varieties American seedlings, 12-inch stems, Silver Cup.

Class C—J. C. Vaughan prize, (open to private gardeners only). Best specimen bush plant, any variety, Silver cup.

Class D—Stumpp & Walter prize, Best 10 blooms of Miriam Hankey, long stems, Silver cup.

Class Ea—W. Wells & Co. prize, 6 blooms Pockett's crimson, long stems, first, gold; second, silver; third, bronze medal.

Class Eb—W. Wells & Co. prize, Vase of single varieties, assorted colors, 12 sprays to constitute the vase, first, silver; second, bronze medal.

Class F—F. R. Pierson Co. prize, (open to private gardeners only). Best 12 blooms in 4 varieties, 24-inch stems, 3 blooms in a vase, \$10.

Class G—Peter Henderson & Co. prize, 12 vases of Ostrich Plume chrysanthemums, 12 varieties, 3 blooms to a vase, first, \$10; second, \$5.

Class H—Elmer D. Smith & Co. prize, 12 vases Anemone varieties, 12 varieties, 6 of which to be introduc-

tions of 1909, 5 sprays to each vase, first, \$15; second, \$10.

Class I—Chas. H. Totty prize, 6 blooms, one variety, introduction 1909, long stems, first, \$15; second, \$10.

Class J—Skidelsky & Irwin Co. prize, 12 sprays Pompon varieties, 12 varieties, first, \$2; second, \$1.

Class K—Foley Manufacturing Co. prize, Best undisseeded seedling, 6 blooms—white, pink or yellow; purity of color to be chief factor in judging, \$10.

Class L—Traendly & Schenck prize, Vase 12 blooms Col. D. Appleton, long stems; open to commercial growers only, first, \$6; second, \$4.

Class M—William Duckham prize, 12 blooms, 12 varieties, not over 12-inch stems, first, \$10; second, \$5.

New York Florists' Club prizes, Six blooms of chrysanthemum seedling or variety never before exhibited in this country. To be judged under both the exhibition and commercial scales, the highest total number of points under both scales to decide the winner, first, silver medal; second, bronze medal.

ILLINOIS STATE FAIR.

The floricultural department of the Illinois State Fair was exceptionally large and creditable this year. Prominent among the prize winners in the ornamental plant classes were G. M. Brinkerhoff, George Van Horn, Wirth & Gaupp, Geo. A. Kuhl, A. C. Brown and Vaughan's Seed Store. Roses made a fine showing. Among the exhibitors in the various rose classes were Poehlmann Bros. Co., A. C. Canfield and A. C. Brown. The same exhibitors and the Chicago Carnation Co. showed carnations. Bassett & Washburn showed O. P. Bassett carnations not for competition, and Peter Reinberg a general collection of roses. Design work of artistic excellence was shown by Schiller and A. Lange of Chicago; Geo. A. Kuhl, Wirth & Gaupp, A. C. Brown and others. Among the combination designs of noticeable quality were the following: Bridal bouquet of Kaiserin roses, spray of *Dendrobium formosum* and shower of lily

of the valley, by Schiller; centre piece, fern dish filled with orchids and lily of the valley, by Brinkerhoff; cross of boxwood foliage with cluster of orchids and lily of the valley and square base of American Beauty and white roses and lily of the valley, by Schiller; urn—body of bronze galax, cluster of violets and lily of the valley, handles of red roses, American Beauty in top and white chrysanthemums in base, also by Schiller.

The gate receipts were over \$17,000 in excess of last year.

AMERICAN CARNATION SOCIETY.

A few words regarding the new section (Sec. C) added to our premium list may not be out of place, inasmuch as it may not be altogether clear to all of your readers.

In Section B there are separate classes for each of all the leading varieties, so that no variety is obliged to compete with other varieties. None of the new comers were included in this list for obvious reasons, and if one of them wished to compete, it had to compete in the classes provided for any variety in its color, not named in the list. This put these varieties in exactly the position which was considered unjust in the older standby.

Now there is no denying the fact that the new varieties are the most interesting part of the whole show, and they should be encouraged in every possible way. The only relief from the above conditions was for the disseminator to offer a special prize, which was very frequently done, though not always. So now in order to bring the matter down to more of a system and to give the new varieties the prominence they deserve, we have made a separate section for them and a separate class for each variety.

The premiums will be uniform, \$6.00 for 1st, \$4.00 for 2nd; 50 blooms to be shown, as in Sec. B. It is stipulated, however, the disseminator must pay for the two premiums and he must agree to do so before his variety is included in the list.

This seems perfectly just to us, because any man who disseminates a variety ought to be willing to back it up to that extent the first year it is on the market. If the variety "makes good" it is put into Sec. B next year.

Several of the novelties of last season have already been put into this list, and it is hoped that all those who sent out varieties last year will come forward and "stick in" their pets.

A. F. J. Baur, Sec.
Indianapolis, Ind.

ROYAL HORTICULTURAL SOCIETY.

In the Veitch collection at the exhibition of September 28 were some fruits not yet in general cultivation. The new apple, Rev. W. Wilks, named after the secretary of the Society, was observed in several examples. It is a large, handsome fruit of slightly conical shape, and was borne in numbers of two to five on trees grafted in March last year.

Among the novelties in Paul & Sons' display were a golden variegated Liriodendron, Quercus magnifica, Cotonaster nummularia having purple-colored fruits; Catalpa Bignonioides purpurea, this purple tint being only visible in the leaf stalks, and the rind of the young shoots.

Carnations of the winter flowering

NARCISSUS J. B. M. CAMM.



Here is one of the most graceful narcissi which, now that its price has got down to a moderate limit should

be much more widely disseminated. The trumpet is rich yellow changing to creamy yellow and the perianth is white. The flower has great substance.

or hybrid perpetual class were staged by Messrs. Cutbush & Son. I noted among them Mrs. Joe Wright, a pink, picotee-edged flower, that should have a future; Lady Millar, a blusa Malmaison, having several fine points, as has likewise Mrs. Rob. Norman, and C. H. Curtis, a nice bloom of a scarlet color.

F. Sander & Sons were exhibitors of a small lot of Laelio-cattleyas of distinct forms or of new colors, of which mention may be made of L. c. Walter Gott=C. bicolor and L. c. Bletchleyensis. Charlesworth & Co. staged a plant of Cattleya Mrs. Pitt superba=C. Harrisoniae x C. aurea, a showy and pleasing novelty. An Award of Merit was made to this variety. A similar award was made to Cattleya Basil=C. Enid x C. Mantini. Other pretty varieties were Sophro-cattleya Nestor aurifera, Cattleya Vulcan superba=C. Mossiae x C. Schilleriana, a striking novelty, flowers 8 inches in total width.

Messrs. Stuart Low & Co., Bush Hill, Middlesex, showed Cattleya Rhoda conspicua=Cattleya Iris x C. Hardyana, Cynoches maculata, a plant having two long racemes of yellow flowers spotted with purple; Cypridium Maratonae, a flower with a lip of greenish-brown, and dorsal sepal with a white margin at the upper part.

J. Veitch & Sons were awarded a Botanical Certificate for Disa polygonoides, an Australian species having flower stems 1 1-2 and 2 feet high, bearing minute orange and yellow flowers.

Lieut.-Col. Holford showed Laelio-cattleya-Pizarro, the flowers of which are of an extremely rich orange color, and the lip purple. The full width of a bloom was 7 inches. First-class Certificate. He also showed Laelio-cattleya Golden Fleece, a flower with orange-colored sepals and petals, the lip orange lined with purple.

FREDERICK MOORE.

INCORPORATED.

Walla Walla, Wash.—Walla Walla Floral Co., by Jas. Wait, F. E. Mojonier and H. H. Curr. Capital stock, \$50,000.

Buffalo, N. Y.—Lenox Flower Shop has been incorporated with a capital stock of \$4,000 by J. Rowland Cloudsley, Edward H. Altman of Buffalo, and others.

Memphis, Tenn.—Italian Seed Company. Capital stock, \$5,000.

Notice the bulb offer of James Vick's Sons in this issue. It's "a cinch."

We Declare APHINE

To be the most effective insecticide, on the market today, for the destruction of all **Greenhouse** pests.

It kills the insects without the slightest injury to flower or foliage.

These assertions are based on expert tests made by unquestionable authorities.

Aphine can be applied as a spray—wash—or dipping solution—It is used at the average strength of 1 part Aphine to 40 parts water.

\$2.50 per gallon.

George E. Talmadge, Inc.
MADISON, N. J.

ROEHRS
RUTHERFORD, N. J.

PHOENIX and KENTIAS

MISSOURI VALLEY FAIR AND EXPOSITION.

The craft in Kansas City have had a very strenuous week, the Fall festivities bringing in over 250,000 strangers.

First prize on display of Decorative Plants was won by Sam Murray, with a magnificent group, most artistically arranged. It contained a grand specimen of *Araucaria compacta*, some ten feet high, with leaves down to the pot; *Kentias*, *Cocos*, *Phoenix Roebelenii*, etc.; fringed with *Amerpohli* and *Todeaoides* ferns producing a very fine effect. Second prize was received by W. L. Rock, who showed a large group of good material. Third prize to Ed. Humfeld, with a splendid variety of rare and choice hot-house plants. Fourth prize to The Rosery, and fifth to W. J. Barnes.

On floral designs, Sam Murray received first prize for a very fine lot of artistically arranged designs, pronounced by many people to have been the most beautiful they had ever seen. Miss Mary Hayden was the artist.

Second prize was won by Ed. Humfeld, with some very high-class work. Third prize by W. L. Rock.

There were also prizes for groups of crotons, in which W. L. Rock, received first, W. J. Barnes, second; six *araucarias*, first Ed. Humfeld, second W. J. Barnes, third W. L. Rock; six *kentias*, first The Rosery, second W. L. Rock, third W. J. Barnes; six *Whitmani* ferns, first W. J. Barnes, second Sam Murray; six Boston ferns, first W. L. Rock, second W. J. Barnes; six any other ferns, first Sam Murray, second The Rosery, third W. J. Barnes; standard and pyramid bays, first W. L. Rock.

There was also a very fine display of fruits, especially apples.

The Agricultural display was very large and very fine. One of the prominent features of one of these collections was a *Billiken*, made of wheat, of which it was said that if all of the old maids would tickle the soles of its feet, marriage would result within six months. It is said that many of them availed themselves of this opportunity.

The Electrical parade, with *Pallas Athene* in the lead, was very fine indeed. The Automobile parade in which nothing but artificial flowers, were used, was not up to the standard.

The weather was ideal and the attendance good. In talking with one of the Park management was told that they expected to clean up over \$5,000.

THE WAR OF THE DAHLIAS.

We have all read of the famous "War of Roses," of the houses of Stuart and of York, and of the romance and bloodshed during those days of English chivalry. Now comes the War of Dahlias.

Yes, indeed, History, that musty old bromide, is repeating herself once more, for right here in Boston the War of Dahlias is about to be waged. The New England Dahlia Society is rent in twain. The old society claims the rent is not severe, that only a small fragment of the original dahlia association circle is missing, but the real war comes in the publishing of "The Dahlia News." A rival publication has

LILACS

THE CHOICEST VARIETIES

Including the famous **HIGHLAND PARK COLLECTION**

Catalogue containing descriptions of 85 different kinds will be sent on request. This Catalogue also contains accurate and trustworthy description of the best

Trees, Shrubs and Hardy Plants

ELLWANGER & BARRY, Mount Hope Nurseries, Box T, Rochester, N. Y.

Privet Hedge by the Mile

We grow California Privet by the (square) mile and sell it by the (running) mile. Our extensive advertising of this superior hedge is helping to create demand for it in every section. Not all of this demand can be taken care of by us—every florist will have calls for California Privet this fall and next spring. YOU want to be ready to supply demands of this character and to

**Get Your Share
of this Privet
Trade**

The extensive acreage on which we produce California Privet enables us to offer it to you for less money than it would cost to grow it. Our superior facilities for handling of the stock enables us to offer you a better grade. Let us send you details of the largest and most complete assortment of Privet to be found in America, with special trade quotations.

For prompt attention, address Desk H.

Harrison's Nurseries
J. G. HARRISON & SONS
FLEMING, MARYLAND

sprung into existence. Away back in Holland's foolish days fortunes were wasted and murders committed over tulip bulbs. While it is not probable there will be many assassinations in connection with Boston's dahlia war, the matter will doubtless go into the courts. Alas, all is not a bed of blossoms for the dahlia faddists.—*Boston Journal*.

PERSONAL.

D. Y. Mellis of Flatbush, N. Y., has returned from his visit to Scotland.

E. J. Fancourt of S. S. Pennock-Meehan Co. is reported as a visitor in Indianapolis.

Alexander McKay, Saxonville, Mass., has retired from business on account of failing health and will go to Scotland.

Patrick J. Reynolds, gardener for J. P. Kernochan, was married to Miss Margaret J. Donovan at Newport, R. I., October 5.

A. H. Knickman, formerly of New York, has taken a position with S. J. Reuter & Son, at their New London (Conn.) store.

Charles Flackburn and Miss Josephine McCullough, daughter of J. Albert McCullough were married at Cincinnati, Ohio, on October 2.

The Burr Nurseries at Manchester, Conn., will build a large concrete building to meet the increasing demands of business. The building will be 50x100, 14 feet high.

LEVAVASSEUR'S 1909 ROSE NOVELTIES.

Mr. Winfried Roelker of Aug. Roelker & Sons, New York sends us the following descriptions of Levavasseur's three new roses, raised at Orleans, France. Mr. Roelker saw these roses in full bloom towards end of July, and was fairly surprised at the brilliancy of their coloring. **ROSE ORLEANS**, a cross between *Baby Rambler* (Mad. Norbert Levavasseur) and an unnamed *Polyantha* seedling, is of a bright pink, well covered with large flower heads; the foliage a healthy green; plants standing about two feet high, of striking appearance. This rose promises to outshine the *Baby Dorothy Perkins* (Maman Levavasseur). It is reported to be a very free and continuous summer bloomer, retaining its brightness. **MRS. TAFT** is a cross between *Baby Rambler* and *Crimson Rambler*, possibly more intense in color than the latter variety; said to be constant in color, and far superior to the old *Baby Rambler*. Both novelties will prove valuable acquisitions to the rose trade, as well for growing in pots, as for outdoor bedding purposes. **JEANNE d'ARC** is a white *Baby Rambler*, of which it is a seedling, but with smaller foliage. Messrs. Roelker are sending out a plate of these new roses in colors.

Mr. and Mrs. H. S. Hill have recently moved from Gardner to East Brookfield, Mass., where Mr. Hill manages the Pine-Croft Greenhouses.

ROEHRS, RUTHERFORD
N. J.
PALMS, All Sorts and Sizes

IF YOU COULD SEE OUR BULBS

You would place an order with us at once. They are large, sound, smooth, bright colored; just the kind for forcing or outdoor planting. Although we have had the largest trade so far in the history of this concern, we shall not be satisfied until we get YOUR order.

SPECIAL BARGAIN

As an inducement for a general order of bulbs, we offer Mixed Double Hyacinths, for a few days only, at \$2.35 per hundred. This is the same grade catalogued at \$2.75. This offer is made for orders of not less than 50 bulbs, and only to those who mention this paper.

BETTER SEND US AN ORDER TODAY

JAMES VICK'S SONS, - Rochester, N.Y.

Seed Trade

The Burpee Purchase.

The purchase of a ranch in the Lompoc Valley by W. Atlee Burpee & Co. is most interesting reading and may prove the forerunner of other purchases in the Golden State by fellow-seedsmen. As was once remarked on another occasion, Mr. Burpee and his chief push, Mr. Earl, do not follow, but establish precedents, and have been pioneers before. This purchase was whispered in HORTICULTURE'S seed trade ear some months ago, but we did not feel at liberty to make it public, and it is probable that permission to publish the facts might not have been given at the time. For years it has been rumored that one of the largest jobbing houses was considering the establishment of a seed growing plant in California, and the result of the Burpee experiment will be watched with much interest. It is hoped the result will be such as to encourage others to go and do likewise.

Crop News.

Some criticism of HORTICULTURE'S crop news has been made, but if anyone can point out where we have been conspicuously at fault, we should be pleased. If the writer's memory is correct, we have predicted crop results with remarkable accuracy. Latest reports on Sugar Corn show general improvement as stated in issue of October 2, and the Connecticut crop promises to prove much better than was expected some weeks ago, but onion seed in Connecticut has been very poor as a whole. A few crops have been a fair average, but they could not make up for the failures, yet there will be tons of Connecticut-grown onion seeds offered for sale, and as in former years, several times more of such seed will be sold than is grown in the entire state. And there are other items which go much the same way.

Not much has been heard of potatoes as yet, but a good deal will be heard soon, and it will not be a joyful noise either as far as Maine is concerned. Reports that the tubers were rotting badly have been in circulation for some weeks, and it now can be said definitely that these reports are only too well-founded, and the worst has not been

told. For years Maine stock has commanded a premium, and in fact it was difficult to dispose of other stock, hence there will be woe in many parts of the country, particularly in the South, but the real heavy losers will be the Maine farmers and those dealers who have bought farms and grow their own potatoes. Many thousands of bushels will be thrown away, and troubles and tribulations await dealers who handle Maine potatoes in all parts of the country. The losses in any event will be heavy, and if the trouble spreads and continues, they will be enormous. New York potatoes were once the standard of excellence, and they will probably come into their own again this year, and for a brief period will likely dominate the situation, though New York will have strong rivals for the crown, notably Michigan and Wisconsin, whose crops of "Murphies" are said to be excellent in quality, though short in quantity. It looks as if choice seed potatoes would bring strong prices by next spring, and it will pay well to hold them over winter. Buyers have to be educated up to high prices, and seldom are willing to pay actual values early in the season, and there seems little chance of prices being lower next spring.

Beans are like corn, still a more or less uncertain factor in the general crop situation, and probably will not prove as large as expected a few weeks ago, but really accurate information will not be obtainable for a few weeks yet. All that can be given is the trend of things at this writing. Of course, the bean crop is made, but it is not housed, and "there's many a slip 'twixt cup and lip"—between the maturing and safe storing of a crop of beans—as many a grower has learned to his sorrow.

It is said that the Lima bean crop—meaning commercial Limas for consumption—is the largest ever harvested in California, while the quality is very fine. If threshing and storing can be completed before rain comes, the enormous crop will unquestionably have the effect of depressing prices. This great crop was produced in five counties, and divided about as follows: Ventura, 950,000 bags; Orange, 275,000 bags; Los Angeles, 100,000 bags; Santa Barbara, 20,000 bags; San Diego, 15,000 bags. It will be noted that Ventura county produces nearly two-thirds of the entire output, but in some of the other counties the business is in its infancy and the splendid success attend-

ing this year's venture will no doubt lead to a large extension of the industry. All this will be hailed with satisfaction by seedsmen, as it indicates that they will not have to be dependent on a small group of men in a very restricted territory for their seed Limas, and, by the way, it may be taken for granted that the crop of seed Limas this year will be above average—both in quantity and quality.

Notes.

"Culture of Garden Peas for Canning Purposes," is the title of a paper by Mr. W. S. Siebert, printed in "The Canner" of October 7th. It is able, and in the main reliable and accurate. Not only canners, but seedsmen will find this paper interesting and informing. Some criticism of it may follow in next week's issue.

Boston seedsmen report an unusually heavy bulb trade—some say the largest they have ever had. They have had to cable second, and even third orders. So far as can be learned, trade has been exceptionally good everywhere, and the promises of a pennant year for the trade as a whole were never brighter. The season of 1909-10 will almost surely set a new high record.

The advent of Mr. Theo. Cobb, for over twenty years with D. M. Ferry & Co., into the corporation of J. F. Noll & Co., of Newark, N. J., adds a live wire to the staff of that concern. Mr. Cobb has been considering this move since last spring, and his connection with the business has been contingent upon Mr. Dungan's becoming identified with it. With Dungan and Cobb working in harmony, J. F. Noll & Co. (Inc.) will become known by many who have never yet heard of them. They will have the hearty congratulations of all broad-minded, right-thinking persons, and best wishes for their success.

LILIES Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

GERMAN AND JAPAN IRIS, DELPHINIUM FORMOSUM

Write for prices

E. S. MILLER Wading River L. I., N. Y.

Dreer's Special Offer OF Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world. Our collection is unequalled, and we are prepared to furnish the new and rare kinds as well as all the popular standard varieties in large quantities.

The plants we offer are all strong one-year-old field-grown plants and will make a fine display of flowers next season.

New and Rare Varieties.

	Per 100	Per 1000
Aglæ Adanson (Tall). Immense flowers, snow-white, with red eye.....	\$8.00	\$75.00
F. G. Von Lassburg (Medium). The purest white in cultivation; individual flowers larger than any other white.....	8.00	75.00
Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.....	6.00	50.00
Louis Blanc (Tall). Reddish-violet, with purple-shadings and darker eye. A distinct dark-colored variety.....	6.00	50.00
Prosper Henry (Dwarf). Large compact truss of pure white with bright crimson-carmine center.....	6.00	50.00
Siebold (Dwarf). An improvement on the popular scarlet "Coquelicot," brighter and stronger.....	10.00	90.00
George A. Stroblein (Medium). Bright scarlet, with crimson-red eye; does not bleach.....	10.00	90.00
Mme. Paul Dutrie (Medium). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large, and borne in panicles of immense size.....	10.00	90.00
Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.....	6.00	50.00
Von Hochberg (Medium). The ideal crimson Phlox; the richest of its color.....	10.00	90.00



General Collection of Hardy Phlox.

Best Scarlet and Red Varieties.

- Consul H. Trost** (Medium). Pure red, with bright French-purple eye.
Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.
Etna (Medium). Crimson red suffused with fiery red; cherry-red eye.
Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.
General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.
Pecheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet, fine.
R. P. Struthers (Tall). Rosy carmine, with claret-red eye, fine.
Price: Any of the Scarlet or Red Varieties, \$6.00 per 100; \$50.00 per 1000.

Best White Varieties.

- Albion** (Tall). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
Diadem (Dwarf). A fine dwarf, pure white.
Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.
Jeanne d'Arc (Tall). A good standard late white.
Louise Abbema (Dwarf). A dwarf pure white of fine form.
Mrs. Jenkins (Tall). The best tall early white for massing.
Price: Any of the White Varieties, \$5.00 per 100; \$40.00 per 1000.

Best Pink and Rose-colored Varieties.

- Bacchante** (Tall). Tyrian rose with crimson-carmine eye.
Caran d'Ache (Dwarf). Geranium-red, with old rose shadings and white eye; very effective.
Clara Benz (Dwarf). Lovely carmine rose, with darker eye.
General Giovaninelli (Dwarf). Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.
La Vague (Medium). Pure mauve, with aniline-red eye.
Pacha (Dwarf). Deep rose pink, suffused with Solferino-red and carmine-purple eye.
Pantheon (Tall). Bright carmine rose.
Selma (Tall). Large flower, pale rose mauve, with claret-red eye.
Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.
Price: Any of the Pink or Rose sorts, \$5.00 per 100; \$40.00 per 1000.

Best Purple and Crimson Varieties.

- B. Comte** (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.
Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Chevalier de Boufflers (Medium). Deep reddish violet, with brighter shadings.
Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.
Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.
Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre with an exceptionally large white centre.
La Foudre (Tall). Rich glowing French purple, shading crimson.
Le Mahdi (Tall). Deep reddish violet, with darker eye.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
Price: Any of the Purple and Crimson sorts; \$5.00 per 100; \$40.00 per 1000.

Best Light Varieties With Dark Eyes.

- Bridesmaid** (Tall). White, with large crimson-carmine centre.
Colibri (Tall). White, with crimson-carmine centre; very late.
Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.
H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.
Price: Any of the Light Varieties with Dark Eyes, \$5.00 per 100; \$40.00 per 1000.

Best Mottled Varieties.

- Antonin Mercie** (Medium). Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.
Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.
Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.
Price: Any of the Mottled Varieties, \$5.00 per 100; \$40.00 per 1000.

Phlox Sufruticosa — Miss Lingard.

- Extra strong plants of this valuable early white flowering variety \$6.00 per 100; \$50.00 per 1000.

For the most complete assortment of Hardy Perennials offered in America, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

LILIUM AURATUM.

The subject of our cover illustration needs no introduction to the readers of HORTICULTURE. But all who plant auratums do not make a success of it and inquiries as to its character and needs are often met with.

The present is a good time for planting Liliun auratum. The bulbs should be set not less than ten inches deep in well-drained soil. They should then be mulched so that no frost can reach them, as auratum is one of the very few lilies that commence to grow now and continue to grow right along all through the winter.

SEED TRADE NOTES.

T. W. Wood & Sons, who started their seed business in the store at the corner of 6th and Marshall streets in 1879, recently remodeled and renovated the place and it is now one of the best equipped retail seed establishments in this section.

Huntington & Page, prominent for many years in the seed business of Indianapolis, Ind., have gone into receiver's hands. Thomas Quill has been appointed receiver. Liabilities are given as \$30,000 and assets \$20,000.

There is a possibility of another seed house making a start in Providence. It would seem that there are enough there already, still if another starts let's wish it success.

USEFUL BOOKS.

We can supply the following books, postpaid, at the prices listed:—

The American Carnation. C. W. Ward. Price, \$3.50

Chrysanthemum Manual. Smith. Price, 40 cents.

The Chrysanthemum. Herrington. Price, 50 cents.

Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.

Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.

Daffodils-Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.20.

Roses and How to Grow Them. By Many Experts. Price, \$1.21.

The New Cyclopaedia of American Horticulture. L. H. Bailey. Four volumes, \$20.00.

How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

"Money in Grasses," by Joseph Theodore Barenbrug, Barenbrug Burgers & Co., Arnhem, Holland.—This is a book of sterling value to anyone interested in the grass seed industry and to every gardener who has to do with lawns and pleasure grounds. Price, \$1.00 postpaid.

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Grown for us in England by a leading specialist, and cannot be excelled for size and brilliancy of coloring.

Duke of Connaught, crimson...	\$1.25	\$10.00
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An extra fine strain; produces immense spikes. Seeds saved in greenhouse from selected spikes.

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I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

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Fairmount, W. Va.—Miss Elizabeth
Wallace has taken over the floral es-
tablishment of H. Glenn Fleming.

Detroit, Mich.—J. F. Sullivan's store
is being materially improved by lower-
ing the show windows and the intro-
duction of other up-to-date features.

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Hamilton, O.—W. J. Grey, Jr.

Grand Forks, N. D.—N. P. Linberg.

Covington, Ky.—Anna Cronan, Madi-
son avenue.

Pittsburgh, Pa.—A. W. Smith Co.,
Liberty avenue.

Boston, Mass.—P. L. Carbone, 342
Boylston street.

Muskegee, Okla.—C. E. Taube, 230
West Broadway.

Santa Barbara, Cal.—George Whip-
ple, State street.

Cincinnati, O.—C. J. Jones, Walnut
Hills. J. Linfoot.

Bridgeton, N. J.—Theo. E. Edwards,
East Commerce St.

Rochester, N. Y.—Wm. Dobbertin,
208 Clinton avenue.

Georgetown, D. C.—Geo. A. Comley,
1205 Wisconsin avenue.

Cleveland, O.—D. Charlesworth &
Son, 10601 Euclid avenue.

Cleveland, O.—Jones & Russell, cor.
Euclid and Huron avenues.

Stamford, Conn.—McMillan & Co.,
Carroll & Willard Building.

Chicago, Ill.—George Woodward,
50th street and Lake avenue.

Philadelphia, Pa.—London Flower
Shop, Ltd., 1609 Chestnut street.

San Francisco, Cal.—N. Jung,
Haight street. N. Peterson, Haight
street.

Binghamton, N. Y.—W. R. Grey &
Son, at 58 Court street with W. S.
Smith & Sons.

St. Louis, Mo.—Mullanphy Floral
Co., Grand avenue and Herbert street.
Grimm & Gorley, Washington avenue.
Henry Kahrs.

St. Louis, Mo.—John H. Kahrs, flor-
ist, has leased for five years the
store in the Oriel Building at 322 N.
6th street. The rental is \$3,000 a
year. The store has a frontage of 8
feet and a depth of 23 feet.

Rutherford, N. J.—The Julius Roehrs
Co. have decided to withdraw from
sale this season the novelty, Celosia
Pride of Castle Gould, of which they
have one house full at present but
not yet in such shape as to offer to
the trade.



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571 FIFTH AVENUE
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part of the United States, Canada, and
all principal cities of Europe. Orders
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11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
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**Choice Flowers and
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BOSTON'S BEST

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Order by Mail or Telegraph from

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MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Business and General News.

The Warwick Flower Shop at 574 47th street is in charge of a new manager, Frank Vogt, who has formerly been in the retail business in various parts of the city.

The first snow of the season appeared Tuesday, Oct. 12th. There was just enough to warn the florist that the time had come for everything to be in shape for the winter. No one except the coal men felt jubilant at the first sight of snow in the air.

George Woodward, whose connection with the private place of H. H. Mitchell has made him well known here, will open a retail flower store at 51st and Lake streets about the 15th of October. Mr. Mitchell is moving his palms, etc., to his summer home at Lake Geneva, Wis.

A series of assemblies will be given by the West End Woman's Club that will make florists in other cities hope the idea may prove infectious. The first one comes off this week and is called a rose festival, that being the club flower. The decorations will call for thousands of roses and the dancers will wear garlands of roses.

The work of City Forester J. H. Prost and the useful knowledge he has disseminated by means of the various pamphlets he has issued is bearing fruit in the interest the people of Chicago are taking in the planting of trees and care for those already planted. Oaks and other hard wood trees have not done well in the past, but it is claimed that with the right treatment they might be made to thrive.

Among the large growers in and around Chicago, stock is in first-class condition. The rose Mrs. Jardine has struck a wave of appreciation. Wiator Bros., who are keen observers, have put in 20,000 of it this year against 1000 last year, and regard it as leading in the qualities of continuous blooming, long keeping and fragrance.

Carnations Enchantress and White perfection are placed at the head of the list for shipping qualities by John Kruchten, who has been giving them a decisive test in shipments three times a week to New Orleans.

Hoerber Bros., whose advertisement as wholesale florists appears regularly in this paper, have what is regarded as a model plant for rose and carnation growing and visitors to Chicago should visit their new office at 51 Wabash avenue and inspect the quality of material their expert grower, F. Benthey, is already turning out from this up-to-date equipment. The houses are of Foley construction, ten of them, each 27½x300; seven devoted to roses and three to carnations. W. F. Hoerber manages the selling department and F. C. Hoerber the greenhouses.

Personal.

Miss Then leaves for a week in Detroit in a few days.

Florists are especially interested in the success of Miss Grace Kennicott, daughter of the late Flint Kennicott, who has a marvellous voice and has

THE BEST LETTERS

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MADE
BY THE

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66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

made a great success in the musical world.

Miss Ida Evert after an absence of seven months has again taken a stand in the Market. She will handle stock grown by her father and brother at 255 Devon avenue. Mr. Evert makes the growing of fancy vegetables a winter specialty.

Anton Then, one of the old time successful Chicago growers has been making an extended auto tour of Michigan and various sections of Illinois and says he finds indications of a good lively year ahead. He is building a new office.

A series of friendly visits for the promotion both of good will and business are being exchanged between the ladies of the Flower Growers' Market. Two weeks ago Mrs. A. W. Myers was the hostess and this week Miss Josepha Then will entertain. These social events include tours of the greenhouses.

Visitor: Frank M. Smith of Smith & Fettes, Cleveland.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Denver, Colo.—Park Floral Co., 1700 Broadway.
Washington, D. C.—Gude Bros., 1214 F St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59 Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts av.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tallby.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—M. A. Bowe, 1294 Broadway.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Just What You Have Been Looking For!

Laurel, Cedar, Pine and Autumn Vines, 3 ft. high, \$1.00 up.

Laurel, Cedar, Pine and Autumn Branches for all decorations, 50c. up.

Rustic Cedar Bark, 100 sq. ft., \$2.50 in b'd'ls.

Grape Vine, per coil, \$2.00.

Cedar Post and Poles, per ft., 3c. up.

Loose Laurel, per bbl., \$1.00.

Pine Cones on branches, per bbl., \$1.50.

Green, Sheet and Sphagnum Moss, also Jersey Peat at Market Prices.

Mapes' Rustic Works

CLAYTON, - - N. J.

BELL PHONE, 29 L

A NOVEL DECORATION SCHEME.

The difficulty of decorating a large department store is well known. In a recent local decoration of this kind in Detroit, Breitmeyer hit on a novel plan whereby they not only filled the place acceptably, but also expressed the sentiment of the harvest season by suspending fourteen hammocks made of common chicken wire between the large columns on some bare wall spaces. The underside was covered with green moss, the inside filled with damp sphagnum and some jars with water. These were then filled with hydrangea, purple wild asters, zinnias, marigolds, corn showing the ripe fruit and a variety of berries. As green, tamarix, laurel-leaved willow, Wichuraiana roses, corn stalks and autumn-colored oak leaves were used. There were many other good features such as a marble fountain covered with oak bark to look like a grotto, etc., all of which worked harmoniously to produce an artistic and seasonable decoration.

FRANK DANZER.

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Your orders for flower or plant delivery in Eastern New England to

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MUMS**\$10.00-\$25.00 per 100**

All the best commercial varieties on the market. We are headquarters for Mums. You will find here the best values.

CATTLEYAS**\$6.00 per dozen. \$40.00 per 100**

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

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WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 12		Oct. 11		Oct. 11		Oct. 14	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	25.00	to 35.00	17.00	to 20.00	18.00	to 25.00
" Exura.....	15.00	to 20.00	15.00	to 25.00	15.00	to 20.00	10.00	to 15.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	4.00	to 8.00
" Lower grades.....	5.00	to 10.00	6.00	to 10.00	6.00	to 8.00	2.00	to 3.00
Bride, 'Maid, Chateaux, F. & S.....	5.00	to 8.00	6.00	to 8.00	5.00	to 6.00	2.00	to 5.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 4.00	.25	to 1.00
Killarney, Fan, & Sp.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	2.00	to 6.00
" Lower grades.....	2.00	to 4.00	3.00	to 6.00	3.00	to 5.00	.50	to 1.00
Richmond, Fancy & Special.....	5.00	to 8.00	6.00	to 7.00	6.00	to 8.00	2.00	to 6.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 5.00	.50	to 1.00
My Maryland, Kaiserin.....	5.00	to 10.00	4.00	to 8.00	3.00	to 5.00	.50	to 6.00
CARNATIONS								
.....	2.00	to 4.00	2.00	to 3.50	2.00	to 3.00	1.00	to 1.50
MISCELLANEOUS								
Chrysanthemums.....	10.00	to 20.00	15.00	to 30.00	12.00	to 25.00	8.00	to 16.00
Gladioli.....	.....	to 1.00	.....	to 1.00	3.00	to 5.00	1.00	to 2.00
Violets.....	.....	to 1.00	.....	to 1.00	.50	to .60	.35	to .60
Cattleyas.....	60.00	to 75.00	40.00	to 50.00	40.00	to 50.00	35.00	to 50.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	10.00	to 12.50	8.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Mignonette.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.50	to 1.00
Gardenias.....	25.00	to 35.00	20.00	to 25.00	.....	to 25.00	10.00	to 20.00
Adiantum.....	.....	to 1.00	.75	to 1.00	.....	to 1.00	.75	to 1.00
Smilax.....	12.00	to 15.00	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings (100).....	40.00	to 60.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
" " & Spren. (100 bchs.).....	25.00	to 30.00	25.00	to 35.00	25.00	to 50.00	15.00	to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.

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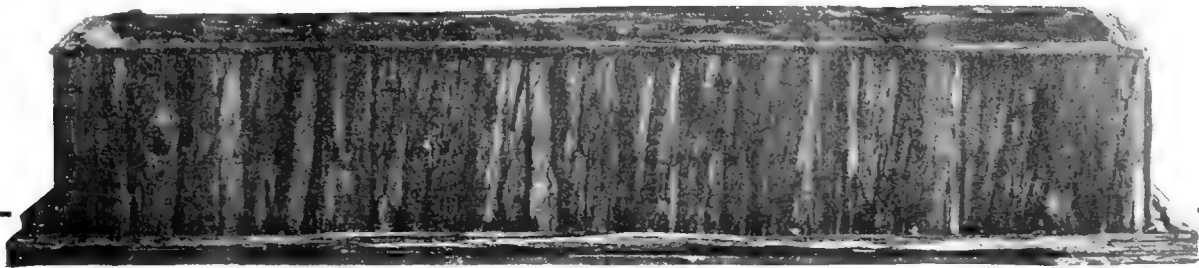
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CEDAR BARK

For covering tubs, window-boxes or rustic effects of any kind. Good, clean strips, free of holes, in bundles of about twenty square feet: **\$1.00 each, 25 or more 75c. per bundle.**

Special for Week Ending October 23.

\$10.00 Box of Roses,

five hundred of the best number one's and two's, our selection as to variety. A trial shipment will convince you of these splendid values.

BEAUTIES The stock was never finer. Prices reasonable.
SPECIAL \$20.00 | **FANCY** \$17.00 | **EXTRA** \$15.00 | **1ST** \$10.00 | **2ND** \$8.00 | **3RD** \$6.00
MARYLAND **FANCY** \$8.00 | **EXTRA** \$6.00 | **1ST** \$5.00 | **2ND** \$3.00

VALLEY **SPECIAL** \$4.00 | **EXTRA** \$3.00 | **NO. 2** \$2.00
CATTLEYAS \$6.00 per dozen. \$40.00 per 100.
GARDENIAS \$3.00 per dozen. (The Best.)

Open from 7 A. M. to 6 P. M.

S. S. PENNOCK-MEEHAN CO. The Wholesale Florists Philadelphia
 1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

Flower Market Reports.

BOSTON The severe weather reported from various places west and south did not touch Boston, and receipts of flowers at the wholesale marts have been very heavy all through this week. Prices have taken a decided drop on many items and the market tables are heavily weighted with carnations, roses and other material which has been coming in faster than it can be disposed of. Carnations of all varieties are in superfluity and are bringing reluctantly less than one-half of the prices prevailing a week ago. Roses are gaining in quality as well as in quantity right along. Chrysanthemums ditto.

BUFFALO Fall weddings having been numerous the past two weeks and a heavy demand having been had for Bride roses, lily of the valley, etc., trade has been very good. There have been excellent gladioli and asters. Carnations are rather short in supply, especially long-stemmed white and Enchantress, both of which find ready sales. Beauty, Killarney, My Maryland, Kaiserin and Carnot are in fair supply and sell rapidly. Dahlias and cosmos are also in good supply, but lilies are on the scarce line. Chrysanthemums have come upon us and some good Glory Pacific, October Frost, Polly Rose, Kalb, Bergmann and Monrovia are to be seen daily. Plenty of greens.

CHICAGO The state of the Chicago market changed rapidly with the change in temperature the past week. Everyone agrees that October opened with a fairly good trade, in fact, better than

that month usually brings. The early frosts had done little damage and the air was just cool enough to stimulate trade and flowers had a good chance to keep out of the waste barrel. Indeed, good stock was very scarce. Then came summer heat back again, hurrying on the roses the supply of which was more than the demand could take care of and by the end of the week trade in some cases was quite demoralized. Some of the houses have more chrysanthemums than they can move and prices have dropped accordingly. Rosierre is now in for the first and Bergmann is dividing honors with October Frost in white. Monrovia and Golden Glow have the field in yellow. Some are inclined to think the growers have devoted too much

space to this flower this year. Carnations are improving and the stems are new of good average length. A few straggling out-door flowers of various kinds are still seen.

It may be truly said that **DETROIT** business has opened up before the florist was ready. Carnations and chrysanthemums are from two to three weeks behind, some growers cutting only one-tenth of the amount of flowers they were cutting a year ago. Many years have passed since the writer sent so many palm leaves and magnolia wreaths with orchids used in design work, plainly the result of a scarcity of flowers.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Oct. 11	DETROIT Oct. 10	BUFFALO Oct. 11	PITTSBURG Oct. 11
ROSES				
Am. Beauty, Fan. and Sp.....	15.00 to 30.00	30.00 to 35.00	20.00 to 25.00	20.00 to 25.00
“ Extra	12.00 to 15.00	25.00 to 30.00	15.00 to 20.00	12.50 to 15.00
“ No. 1	8.00 to 12.50	18.00 to 22.00	6.00 to 8.00	8.00 to 10.00
“ Lower grades.....	4.00 to 6.00	4.00 to 16.00	2.00 to 6.00	3.00 to 5.00
Bride, 'Maid, Chateauf, F. & S.....	4.00 to 6.00	4.00 to 6.00	..... to 8.00	6.00 to 8.00
“ Low. gr.....	2.00 to 4.00	3.00 to 4.00	2.00 to 6.00	2.00 to 4.00
Killarney, Fan. & Sp.....	4.00 to 6.00	4.00 to 6.00	..... to 8.00	6.00 to 10.00
“ Lower grades.....	2.00 to 4.00	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00
Richmond, Fancy & Special.....	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
“ Lower grades.....	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00
My Maryland, Kaiserin.....	4.00 to 8.00	4.00 to 6.00	3.00 to 8.00	3.00 to 8.00
CARNATIONS.....	2.00 to 3.00	1.00 to 3.00	1.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Chrysanthemums	8.00 to 25.00	12.50 to 25.00	8.00 to 25.00	8.00 to 20.00
Gladioli .....	..... to .....	..... to	2.00 to 4.00	..... to
Asters .....	..... to .....	..... to .....	.50 to 1.50	..... to
Violets .....	.50 to .60	.50 to .60	.50 to .60	.50 to .60
Cattleyas	40.00 to 50.00	30.00 to 50.00	..... to 75.00	50.00 to 75.00
Lilies	18.00 to	12.50 to 15.00	10.00 to 15.00	12.50 to 15.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Mignonette .....	..... to .....	..... to	1.00 to 1.50	..... to
Gardenias .....	..... to	25.00 to 35.00	..... to 25.00	..... to 25.00
Adiantum .....	.75 to 1.00	1.50 to .....	.50 to 1.50	1.00 to 1.50
Smilax	12.50 to 15.00	15.00 to 20.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	35.00 to 50.00	30.00 to 50.00	25.00 to 50.00	..... to 50.00
“ “ & Spren. (700 bchs.)	20.00 to 25.00	30.00 to 50.00	25.00 to 50.00	..... to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street New York
 Telephones 4026-4627 Madison Square

Edward C. Horan
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York
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PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.
 Tel. 5243 and 2921 Madison Square.

JOHN YOUNG**WHOLESALE FLORIST**

Finest American Beauties and
 Carnations

51 West 28 St. - NEW YORK

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
 sale Market Rates.

Greater New York
Florists' Association,
 Inc.

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

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Telephone No. 758
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WHOLESALE FLORISTS

41 West Twenty-Eighth Street

Phones 3860 Madison Sq. NEW YORK
 3861

JOHN I. RAYNOR**Wholesale Commission Florist**

**SELLING AGENT FOR
 LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 CARNEDIAS, DAISIES, ROSES AND CARNATIONS

Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Oct. 9 1909		First Half of Week beginning Oct. 11 1909	
American Beauty, Fancy and Special.....	12.00	to 25.00	15.00	to 25.00
" " Extra.....	10.00	to 12.00	10.00	to 12.00
" " No. 1.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Told, Golden Gate, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	4.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 3.00	.50	to 2.00
Richmond, Fancy and Special.....	4.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 3.00	.50	to 2.00
Chatenay.....	.50	to 6.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	1.50	to 2.00
" " Ordinary.....	.75	to 1.50	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut.
 Cycas and Palmetto.

Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
 { 5893 }

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

ROSENS

48 W. 29th Street, New York City
 Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
 \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
 SPRAYS, 75c, 100. GREEN SHEET
 MOSS, \$2.00 large bag.

REED & KELLER

122 West 28th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in
 Glassware Decorative Greens and Florists' Regalia

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

DO NOT BE DECEIVED

by fake Green Thread. Demand the

MEYER GREEN SILKALINE

and you will get full length and quality combined.
For sale by all reliable houses.

John C. Meyer & Co., Boston and
Lowell, Mass.



**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N.Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000.....\$1.75; 50,000.....\$7.50. Sample free
For sale by dealers

Flower Market Reports.

(Continued from page 551)

INDIANAPOLIS The month of
October has
opened up very
auspiciously, the weather fine and the
demand for flowers noticeably greater
than the previous week. The cool
weather has been quite a factor in
the market and early frosts have di-
minished the variety and quantity of
stock. The quality is much improved
and in a short time will be equal to
that of mid-winter. In roses the mar-
ket is well supplied in all varieties;
carnations of every variety are to be
had in good quantities and are fetch-
ing just double what they were a few
weeks ago. Chrysanthemums are now
a feature of the market but in the
larger blooms only. Harrisii lilies are
not in heavy supply but are moved at
good prices. Orchids in the several
varieties are plentiful enough to sup-
ply all demand. Violets are slowly
coming to the front but the demand
for them is small. Adiantum and
other greenery is selling better. Some
dahlias are being received but season
is nearing the end. Tomlinson Hall
market reports business on the in-
crease.

The period of scarc-
NEW YORK ity in some lines and
activity in all which
gave so much gratification last week
to all interests did not continue long.

A. L. YOUNG & CO.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for
the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 9 1909		First Half of Week beginning Oct. 11 1909	
Cattleyas	39.00	to 40.00	25.00	to 40.00
Lilies	8.00	to 12.00	8.00	to 12.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Chrysanthemums	8.00	to 15.00	8.00	to 15.00
Gladioli	1.00	to 2.00	1.00	to 2.00
Gardenias	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
SanMax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus , strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprea. (100 bchs).....	12.00	to 20.00	12.00	to 20.00

Circumstances seemed to conspire to
increase supply and decrease demand
at one and the same time, and if the
bottom didn't quite drop out entirely
it certainly broke through in several
spots, and now we are back again
where every buyer can get more than
he wants and at a price which looks
very diminutive to the grower. Chry-
santhemums, violets, carnations, roses,
cattleyas and several other things are
on the increase now and the outlook
is for a continuance of present condi-
tions.

PHILADELPHIA

The first four
days of last week
were very satis-
factory, but the warm spell brought
in a big influx of roses, dahlias and
other stock on Friday and Saturday
and while business was of normal
volume during these two days, there
was a glut of stock and consequent
congestion. Jack Frost will bring
first aid to the wounded—the wounded
in this case (as usual) being the
growers and wholesalers. The retail-
ers are very well satisfied with condi-
tions and wear a "cat-that-has-eaten-
the-canary" expression. There are
more than enough American Beauty
roses to go around, and no present
hope of that radical improvement in
price which the growers have been
waiting for so long. Other roses keep
on improving; but we see no thirty
and forty-inch stems here in Mary-
land, Killarney, etc., such as the Chi-

cago growers offer. The general im-
pression is that these would not be
profitable in the Philadelphia market
in early season. White Perfection,
Enchantress, Winsor, Bountiful, are
the leaders in the carnation field, also
a few good Beacon. Better and big-
ger chrysanthemums and more of them
with prices easier. More dahlias than
ever, and fine quality, but these are
liable to go the journey any day now.
Plenty of good lily of the valley and
cosmos and any amount of greens.

New York, N. Y.—The New York
Plant Market is open three times a
week—Tuesday, Thursday and Satur-
day—from 6 to 9 a. m.

G. E. Bradshaw has again started
in the wholesale flower business at
55 West 26th street.

FARLEYENSE

**ROEHRS, RUTHERFORD
N. J.**

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

**J. L. BANNER, MONTEZUMA,
N. C.**

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.
Asparagus plumosus, strong 2 and 3-in., \$3.00 and \$5.00 per 100. Sprenger, extra heavy, 3-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.
Asparagus Sprenger, 2 1/2 in. pots, strong plants, \$2.50 per 100. Virginia Nursery Co., Purcellville, Va.
Asparagus Sprenger, 2 in., 2c. Hamerschmidt & Clark, Medina, O.

AUCTION SALES

Wm. Elliott & Sons, 42 Vesey St., New York.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Rex Begonias. A fine assortment of 12 named varieties from 2 1/2 in. pots, strong plants, \$4.00 per 100. Virginia Nursery Co., Purcellville, Va.
Rex begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lillies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs, Horseshoe Brand.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
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S. J. Reuter & Son, Westery, R. I.
Field Grown Carnations.
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Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
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H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
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Dingee & Conard Co., West Grove, Pa.
New Seedling Carnations.
A. C. Brown, Springfield, Ill.
Carnation Sangamo.
For page see List of Advertisers.
UNUSUALLY FINE STOCK.
White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.
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CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
25,000 stock plants Golden Glow, October Frost, \$25 per 1000, to clear benches. I. M. Rayner, Greenport, N. Y.
Chrysanthemums, field clumps. Pompons, 4c.; singles, 8c. Hugo Kind, Hammon-ton, N. J.

CINERARIAS

Cinerarias, extra fine, 3 in., \$4.00 per 100. Wettlin Floral Co., Hornell, N. Y.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Bangor Box Co., Bangor, Me.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Herbert, Atco, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DAISIES

Queen Alexandra Daisies, rooted cuttings, \$1.00 per 100. Shasta Daisy Alaska, large field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Rosindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechsli, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
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The Geo. Wittbold Co., 1857 Buckingham
Place, Chicago, Ill.
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Godfrey Aschmann, 1012 W. Ontario St.,
Philadelphia.
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The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
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A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.
Whitman ferns; Runners, \$2 per 100;
6 in., \$5 per doz.; 7 in. and 8 in., 75c. and
\$1 each. Cash with order. Edw. G. Davis,
Shawmut Ave., New Bedford, Mass.

FERTILIZERS

German Kall Works, 93 Nassau St., New
York, N. Y.
Potash.
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Wm. Elliott & Sons, 42 Vesey St.,
New York.
Thompson's Manures.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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Rosen, 48 West 29th St., New York City.
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Mapes Rustic Works, Clayton, N. J.
Rustic Vines, Branches, Bark, Etc.
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FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.
Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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GREEN GALAX.

Fresh from patch, ready for shipment.
Medium size, 40c. 1000; large size, 45c.
1000. Cash with order. B. H. Thompson,
R. F. D. 1, Dobson, N. C.

J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.
For page see List of Advertisers.

Green galax, new crop, fresh from the
woods, 50c. per 1000; \$4.00 per case of
10,000. Dagger ferns, 75c. 1000. The kind
you want. Cash with order. Woodruff &
Son, Lowgap, N. C.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Geraniums, Nutt, \$12.50 per 1000; Ricard,
Poitevine, \$15. A. M. Herr, Lancaster, Pa.

Geranium—Rooted cuttings S. A. Nutt
and Beaute Poitevine, \$1.25 per 100; \$10.00
per 1000. October and November delivery.
Fine stock. Write for prices on large
quantities. See vinca ad. A. L. Munk, Mt.
Gilead, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
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Greenhouse glass, lowest prices. John-
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Glass, High Grade, Double Thick Green-
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Peerless Glazing Point.
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Special Glazing Nails (Points). Lord &
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Lord & Burnham Co.,
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King Construction Co., N. Tonawanda,
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S. Jacobs & Sons, 1359-63 Flushing Ave.,
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip
gutter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.
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HERBACEOUS PERENNIALS**HARDY PLANTS.**

Extra Fine Stock. All Field Grown.
Anthemis Tinctoria, Aegopodium Varie-
gata, Helianthus Max. and Rigidus, Rib-
bon Grass, German Iris eight distinct va-
rieties, and Rudbeckia Golden Glow, \$2.00
per 100. Achillea The Pearl, Bocconia,
Coreopsis, Hemerocallis Fulva, \$2.50 per
100. Agrostemma Coronaria, Funkia Coer-
ulea, Gypsophila Acutifolia, Pyrethrum
Ulignosum, Phlox Cameron, Phlox Peach-
blow, \$3.00 per 100. Gaillardia, \$3.50 per
100. Delphinium Formosum, Hemerocallis
Kwamso, Hibiscus Crimson Eye, Phlox
Isabell Dupuy, \$4.00 per 100. Shasta
Daisies Burbanks Imp., Lychnis Chalce-
donica, Rudbeckia Purpurea, Phlox Brides-
maid, \$5.00 per 100. Hemerocallis Midden-
dorfii, Japanese Iris, asst. colors, Siberian
Iris, Yuccas, \$6.00 per 100. Hardy Chry-
santhemums new and distinct varieties,
Eulalia Gracillima, variegata, Japonica
and Zebrina, Poppy Orientalis, \$7.00 per
100.

WAGNER PARK CONSERVATORIES,
Sidney, Ohio.

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In writing to Advertisers kindly mention Horticulture

HYDEANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

Nicotide kills all greenhouse pests. P. R. Palethorpe Co., Eleventh St., Owensboro, Ky. For page see List of Advertisers.

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H. A. Stoothoff Co., Mt. Vernon, N. Y. Tobacco Powder. For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

IRIS

Iris, all types. Very select list. C. Betscher, Canal Dover, O.

JERUSALEM CHERRIES

Jerusalem cherries, 4-in., \$5.00 per 100. Cash. Frank Sokol, College St., Worcester, Mass.

JAPANESE PLANTS

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F. E. Conine Nursery Co., Stratford, Conn. Norway Spruce, Hemlock, Arbor Vitae, Pines. For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York. Nursery Stock for Fall Planting.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y. Shade and Fruit Trees, Hedge, Berry Plants, Asparagus Roots, Rhubarb. Kentucky Nursery Co., Louisville, Ky.

ONION SETS

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ORCHID PLANTS

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Sander, St. Albans, England. Importers, Exporters, Growers, Hybridists. For page see List of Advertisers.

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Ordenez Bros., Madison, N. J., Box 105. C. Lablata: D. Bigbbum Arrived. For page see List of Advertisers.

Stuart Low & Co., Bush Hill Park, Enfield, Eng. For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J. Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

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PANSY PLANTS.

Aug. Zirngiebel, S. Norwich, N. Y. For page see List of Advertisers.

BROWN'S PANSIES.

Extra select, superb giant, mixed pansy plants, \$2.50 per 1000; \$20.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

The KENILWORTH STRAIN of giant pansies, strong plants, 1000, \$3.00; 100 prepaid, 50c. RAINBOW blend contain the latest introductions of giant pansies, 1000, \$2.50; 100 prepaid, 45c. Chas. Frost, Kenilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C. For page see List of Advertisers.

PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

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Estate of David Fisher, Montvale, Mass. For page see List of Advertisers.

Sunnyfield Nursery Co., Poughkeepsie, N. Y. For page see List of Advertisers.

Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Neb.

Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

PHLOXES

Henry A. Dreer, 714 Chestnut St., Phila. Hardy Perennials. For page see List of Advertisers.

Old Town Nurseries, So. Natick, Mass. For page see List of Advertisers.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston. For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O. For page see List of Advertisers.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill. Primroses Obconica and Chinsuala. For page see List of Advertisers.

Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primula, Chinese, finest fringed strains, 2½ and 3 in., \$3.50 per 100. Obconica, 2 in., \$2.50 per 100; 3 in., \$4.00 per 100. Wettlin Floral Co., Hornell, N. Y.

Primula Polyanthus, strong plants from field; can be divided, \$5.00 per 100; \$45.00 per 1000. H. Hansen, Malden, Mass.

Primula, Chinese, 2½ in., 2c.; 3 in., 4c. Obconica gigantea rosea, 2½ in., 2c. Extra fine. Hammerschmidt & Clark, Medina, O.

PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.

AMOUR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

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The Rose, by H. B. Ellwanger; mailed
for \$1.80 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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Early Sweet Corn.
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SMILAX

Smilax, 2 1/4 in., \$1.50 per 100. Cash with
order. L. Menand, Albany, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

A full stock of moss on hand all year
around. Sphagnum moss, \$1.50 per bale;
sheet green moss, \$2.50 per bale; clump
moss, 75c. per bag. H. Kenney, 88 Roches-
ter Ave., Brooklyn, N. Y.

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VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1188
Broadway, N. Y.

VINCAS

Vinca Major Variegata and Vinca Major,
fine clumps, large, \$4.00 per 100. See Gera-
nium ad. A. L. Munk, Mt. Gilead, O.

Vinca rosea and alba, 2 1/4 in., extra fine,
\$1.75 per 100. Hammerschmidt & Clark,
Medina, O.

VIOLETS.

Charles H. Green, Spencer, Mass.
Violets Field Grown.
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Field-grown Princess of Wales violet
plants, \$3.00 per 100. Virginia Nursery
Co., Purcellville, Va.

1200 strong field-grown Princess Violet
plants, \$5.00 per 100; \$50 for the lot.
H. Hansen, Malden, Mass.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 301
N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost.
Our specialty 100 assorted designs, \$10.00.
H. Kenney, 88 Rochester Ave., Brooklyn,
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1,000,000 CANNA ROOTS; DAHLIA ROOTS.

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NOTICE TO ENGINEERS AND LANDSCAPE GARDENERS.

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Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PRIVET HEDGE BY THE MILE.

Harrison's Nurseries, Berlin, Md.
For page see List of Advertisers.

PROSPECTIVE EXHIBITIONS.

Boston, Mass.—New England Fruit
Show, Horticultural Hall, Oct. 19-24.
Wilfrid Wheeler, Concord, Mass., se-
cretary.

Madison, N. J.—Morris County Gar-
deners' and Florists' Society, Oct. 27,
28. E. Reagan, secretary.

Glen Cove, N. Y.—Nassau County
Horticultural Society dahlia show,
Oct. 14; annual show, Oct. 28, 29.
Wm. Mackenzie, secretary.

Pasadena, Calif.—Pasadena Garden-
ers' Association, Oct. 28, 29, 30. A.
McLeod, secretary.

New York, N. Y.—Horticultural So-
ciety of New York, Nov. 3-7. Geo. V.
Nash, Botanical Garden, Bronx Park.

White Plains, N. Y.—Tarrytown
Horticultural Society, St. John's Hall,
Nov. 4, 5, 6. E. W. Neubrand, Tarry-
town, secretary.

New Haven, Conn.—New Haven
County Horticultural Society, Music
Hall, Nov. 2-4. F. H. Wirtz, 86 Nicoll
St., secretary.

Hartford, Conn.—Connecticut Hor-
ticultural Society, Putnam Phalanx
Hall, Nov. 3, 4, chrysanthemum show.
G. W. Smith, Melrose, Conn., secre-
tary.

Boston, Mass.—Massachusetts Hor-
ticultural Society, chrysanthemum
show, Nov. 4-7; Orchid exhibition,
May 26-30, 1910. W. P. Rich, 300
Massachusetts Av.

St. Louis, Mo.—St. Louis Horticul-
tural Society and Florists' Club,
Coliseum, Nov. 9-12. Otto G. Koenig,
6743 Florissant Av.

Toronto, Ont.—Ontario Horticul-
tural Exhibition, St. Lawrence arena,
Nov. 10-14. P. W. Hodgetts, Parlia-
ment Buildings.

Chicago, Ill.—Horticultural Society
of Chicago, Coliseum, date not an-
nounced; J. H. Burdett, 1620 W. 104th
Place.

Milwaukee, Wis.—Milwaukee Flor-
ist Club, Auditorium Building, Nov.
13-16.

Norwich, Conn.—New London
County Horticultural Society, Novem-
ber. F. B. Allen, secretary.

The executive committee of the Am-
erican Rose Society held a meeting on
Oct. 13 in New York City.

Little Ads Bring Big Returns

Little ads in our Classified Columns
bring big returns to both advertiser
and purchaser.

Anything that can be sold to florists,
gardeners, park and cemetery superin-
tendents, etc., can be sold through this
medium in this department, and at
very small cost.

Don't fail to read them each issue, for
you will find one or more that will
prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

During Recess

ASTORIA FLORISTS' BOWLING CLUB.

The proposed outing of this club to
the country home of W. H. Siebrecht
at Chappaqua, N. Y., has been post-
poned to Sunday, 17th inst. Fifteen
members will make the trip, starting
at 8 a. m. from Astoria.

The scores at the last bowling meet
were as follows:

Siebrecht	135	170	151
H. Siebrecht	156	142	131
W. H. Siebrecht, Jr.	134	110	...
Eismann	137	213	158
Bleckween	137	135	134
Donhoefer	171	157	189
Donaldson	170	165	143
P. Kessler	167	144	144
Miesen	146	145	173
Lorenz	156	110	124
Smith	177	138	208
Anderson	145	122	161
Brown	192	157	149
Polykranas	122	139	140
Jacobson	113	166	123
Arnold	113	137	117
Schleth	118	130	131

OBITUARY.

John S. Zschorna.

J. S. Zschorna, well known as a re-
tail florist in Brooklyn, N. Y., died on
September 29.

Fred Zappe.

Fred Zappe, formerly for many
years fireman for the J. A. Budlong
Co., Chicago, and father of Chas.
Zappe with the store force of the same
firm, died Sunday, Oct. 10th.

NEWS NOTES.

Salvia Bethellii, not Sethellii is the
name of the new salvia referred to in
our issue of October 9.

Pittsburg, Pa.—J. M. Jones, florist,
has bought nine acres of land on
Highland avenue, Summit Park, for
\$9,250. He intends to establish a
nursery for decorative plants.

Fairhaven, Mass.—Peter Murray
and Harold Hall, an employe, were
thrown from a delivery wagon, the
horse running away, last Tuesday af-
ternoon and both were injured but not
seriously.

South Manchester, Conn.—Peter
Zuger, who has been connected with
the park department of the city of
Hartford, has leased a greenhouse and
land here and will start on Nov. 1 in
the florist and nursery business.

Franklin, Mass.—William Doel of
Pascoag, R. I., has purchased the Wal-
ter Slade estate nursery. For the
winter he will put a caretaker in
charge of the greenhouses and next
summer may take charge of the busi-
ness himself.

CATALOGUES RECEIVED.

Knight & Struck, New York City—
Descriptive folder of Gloriosa Roths-
childiana, with illustration in natural
colors.

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SOME WORK OF THE U. S. DEPARTMENT OF AGRICULTURE AS AFFECTING FLORICULTURE.

By R. T. Galloway, Chief of the Bureau of Plant Industry, U. S. Department of Agriculture, before the Society of American Florists, at Cincinnati.

The United States Department of Agriculture is doing considerable work bearing both directly and indirectly upon floriculture. I shall not attempt to discuss all of this work, but will endeavor to point out and emphasize certain lines of investigation and experiment that are now being carried on by the Bureau of Plant Industry.

Introducing New Plants.

As is pretty well known, the Department has for a number of years been making a special endeavor in the matter of introducing new plants and seeds from foreign countries. While the greater portion of the introductions have been more strictly of an agricultural nature, there are some things which have been brought in of interest to the horticulturist. During the past three years the Department has had Mr. Frank N. Meyer, an agricultural explorer, visiting little-known regions of Asia, with the result that quite a number of promising crops have been sent in by him. It is too early yet to predict what these things will do. They are being tested at a number of our stations and also in co-operation with reliable horticulturists in different parts of the country with a view to determining their possibilities and adaptation to varying conditions of soil and climate. Among some of the things which Mr. Meyer has secured is a new and striking white bark pine which grows to great size and seems specially fitted for cemeteries and certain types of public parks and grounds. Mr. Meyer has secured also a number of interesting quick-growing and more or less ornamental, drought and alkali resistant willows. One of the problems met with by horticulturists in certain parts of the West has to do with plants that may be suitable for ornamental purposes under arid or semi-arid conditions. It is believed that some of the willows found by Mr. Meyer will be useful in this connection.

FOR SALE

BOILER FOR SALE

Weathered eight section boiler, in use two seasons, good as new, \$100. Cash. Chas. E. Evans, Watertown, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 20 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/2 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE—1200 ft. of good 4 inch pipe; also large sectional Sunray boiler. Apply to Mrs. H. Baeppler, Teaneck, P. O. Bogota, N. J.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Wanted—Violet Grower

Must be steady, experienced and strictly up-to-date. Address, DALE ESTATE, Brampton, Canada.

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—An expert grower of all kinds of fruits under glass; also an expert florist and plantsman, including Chrysanthemums and Carnations. Apply to J. Featherstone, Greenlawn Conservatories, Penn and Murland Aves., Pittsburgh, E. E., Pa.

WANTED—experienced vegetable and flower seed packer to take charge of packing room. Must know the seed business. Give reference and salary wanted. Gurney Seed Company, Yankton, South Dakota.

WANTED—Young man, single, with experience in growing ferns, orchids, sweet peas, etc. Commercial. \$55 a month. Address J. 28, care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED—By a gardener and orchid grower; thoroughly experienced, able and willing to work up a collection with any lady or gentleman requiring his services; good experience in greenhouse plants, vegetables and lawn; married; middle age; best of references. Address Gardener, Box 114, Secaucus, N. J.

SITUATION WANTED—Gardener and Superintendent: Thorough in all branches of his profession; over 18 years last place; best of references; employer would be pleased to see any one personally; married, no family; English. R. H., care J. Terry, Berkeley Ave., Newport, R. I.

MISCELLANEOUS WANTS

NOTICE TO ENGINEERS AND LANDSCAPE GARDENERS.

San Antonio, Texas, Oct. 6, 1909. The City of San Antonio invites competitive, suggestive plans for platting, designing and beautifying a new City Cemetery to be known as "Mission Cemetery." Topographical maps of the tract of land upon which said cemetery is to be established can be seen in the office of the City Engineer.

A cash prize or premium of Five Hundred (\$500.00) Dollars is offered for the best and most acceptable plan, a cash prize or premium of Three Hundred (\$300.00) Dollars for the second best plan, a cash prize or premium of Two Hundred (\$200.00) Dollars for the third best plan for so platting, designing and beautifying said cemetery, which prizes above mentioned will be awarded upon the recommendation of the Mayor and the Cemetery Committee of the City Council, who reserve the right to reject any or all plans submitted, and whose decision as to the award of said prizes or premiums shall be final.

All plans for which prizes have been awarded become the property of the City of San Antonio.

All plans must be securely sealed, addressed to the "Cemetery Committee of the City Council, San Antonio, Texas," and be submitted on or before 11 A. M., January 6th, 1910.

BRYAN CALLAGHAN, Mayor.
Attest: FRED FRIED, City Clerk.

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

tion. Several new forms of poplars have been secured, one of which it is believed will prove a valuable tree for avenues and streets. Mr. Meyer also secured a collection of Chinese pistachio, a beautiful ornamental tree and a very promising stock for the pistachio nut—a plant which the Department is endeavoring to introduce in various parts of the country. Various forms of elms have also been found and introduced. Some of these have promise of value in their ability to resist drought and alkali, hence may become quite useful in connection with the development of gardens and parks in the semi-arid regions of the United States. Some promising cold and drought resistant roses were secured which may be of value in connection with the drier sections of the country or may become useful adjuncts to the horticultural possibilities of other sections.

Plant Breeding and Improvement.

Closely associated with the plant introduction work is that which has to do with the improvement of plants by breeding and selection. Considerable work of this kind has been under way for a number of years, the results of which have already been published. Mr. Oliver's efforts in the direction of improving the lily have been set forth in bulletins from the Department, and his work in securing new types of dahlias has also been described from time to time in other publications.

As a finishing touch to our lily work we secured a large number of apparently healthy bulbs of such varieties as the multiflorum, Harrisii, and giganteum. They were flowered and what was thought to be desirable crosses made between the varieties. Nearly 60 quarts of seed resulted which was distributed in southern California and elsewhere. One firm has eight acres of these seedlings in fine condition which will bloom next spring. Other lots are equally promising. The future of lily growing will depend upon the growers growing the bulbs upon new ground; that is, to put other crops in the ground for at least three years succeeding the lily crop. In connection with the work with dahlias I may say that we now have about six seedlings which are promising. One of them is a semi-double red with long stems and early in blooming.

Considerable work is in progress in the matter of getting at the basic principles involved in improvement by breeding and selection of commercial florist crops, such as the rose and carnation. The principles involved in carnation breeding are being studied by Mr. J. B. Norton, who has already presented one or two papers before this Society bearing on his work and the results he has secured. Mr. Oliver is doing considerable breeding work with roses, chrysanthemums, pansies, gladioli, and sunflowers. I may say that one of the roses discovered by Mr. Meyer has flowered. It has double yellow flowers and has the peculiar distinction of being the first of all the roses to bloom in the spring. This and several other species introduced from China and elsewhere are being used by Mr. Oliver in his breeding work and already some promising seedlings for outdoor planting have been

secured, notably a cross between the new double yellow rose and the white Rugosa. Mr. Meyer while in China was instructed to secure the wild forms of chrysanthemums from which our cultivated varieties have sprung. He succeeded in securing a variety with white or rosy-white flowers and also a yellow variety, both from the very cold regions of north China. These wild forms Mr. Oliver is crossing with some of our best hardy cultivated varieties in order to secure a thoroughly hardy race for outdoor culture in the north. Some promising seedlings have already been secured. Mr. Oliver has also begun some interesting work with pansies, crossing a summer blooming species secured from Australia with other varieties. This Australian variety blooms abundantly during our hottest summers, provided it gets sufficient moisture. We look to obtaining some interesting results along this line. We need a productive annual sunflower for summer cutting with larger and better shaped flowers than we have in the common varieties. This Mr. Oliver has secured by crossing, the resulting progeny having large and well developed flowers with long stems well adapted for cutting. In connection with the plant breeding and improvement work an interesting line of study has been conducted for some time by Prof. L. C. Corbett, having to do with the comparative merits of blind and flowering wood for propagation purposes in rose growing.

Studies of Diseases.

The Bureau of Plant Industry is continuing its investigations of the diseases affecting crops under glass. The results of this work, as is well known to the florist trade, have been published from time to time in the bulletins of the Department and elsewhere. The results of studies of wet stem rot of carnations, dry stem rot, microsporum spot, bacterial spot, and other diseases of this crop have been set forth from time to time, so that there is little new to be added regarding the manner in which the various diseases work or the methods of preventing the same. Wet stem rot has proved quite destructive in a number of sections of the country recently and as already pointed out, the fungus which causes this disease lives in the soil on decaying organic matter, especially if the soil happens to be poor in lime.

The crown gall disease of roses and chrysanthemums has received some attention from our pathologists. The cause of the disease has been discovered to be a bacterial trouble. We have also found out that it is spread by cuttings, which frequently become infected in the cutting bench. Some evidence has also been secured showing that certain varieties are not so susceptible to this trouble as others.

Experiments in Bulb Growing.

For a number of years the Bureau of Plant Industry has been giving attention to the possibilities of bulb culture in the United States. Various efforts have been made to encourage bulb growing in different sections and four or five years ago co-operative experiments were inaugurated in the State of Washington with several individuals, the work having for its object experiments and demonstrations in the mat-

ter of growing bulbs, especially Dutch bulbs in that section of the country. Reports of this work have been made from time to time, but as it progressed it was seen that to secure the best results the Government should have control of a certain amount of land upon which it could inaugurate with its own men a line of experimentation and demonstration that would necessarily have to last for several years. The citizens of Bellingham, Wash., were very much interested in this work, and for the purpose of encouraging the Department to undertake it near this town, placed at our disposal ten acres of land four miles from the city. The ground is well adapted to bulb culture and in addition to putting it into thorough shape for the work in view, the Chamber of Commerce, through whom the site was secured, also constructed the necessary buildings, provided water for irrigation, and also furnished other necessary equipment. The Department now has three experienced men in charge of this garden carrying on tests in the growing of various bulbs. Good stocks of the bulbs have been secured from Holland and planting was started last fall. Tests will be conducted so as to show the best methods of cultivating and manuring, the best soil conditions for each class of bulbs, etc. Careful records will be kept of the operations so that when definite results have been secured, publications may be prepared and issued for the information of persons desiring to take up the work of propagating bulbs to supply the trade. It will be well understood, of course, by the members of this Society that time is an important element in work of this nature, and premature reports are to be avoided. It is probably sufficient to say that the Department recognizes the importance of developing the bulb industry in the United States and is putting forth its best efforts to this end. With the improvement of transportation facilities, which is likely to come within the next few years, and with the gradual adjustment and settlement of agricultural and horticultural practices through the northwestern section of the country, it is believed that more interest will be taken in intensive crops, such as bulb and seed growing. The latent possibilities for the development of industries of this nature are present and as soon as it is demonstrated that the work is practicable and profitable, men with sufficient capital to inaugurate it will not be wanting.

The rest of Prof. Galloway's paper, relating to special work with Carnations will appear in next week's issue.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

PHILADELPHIA NOTES.

Mr. and Mrs. Brown, and J. B. Hobbs, of Richmond, Va., were visitors on the 9th inst.

Louis Hansell, grower for Mrs. Smith, Secane, Pa., is sending in some exceptionally fine White Perfection, Beacon, Winsor and Enchantress carnations. The crop is being handled at wholesale in Philadelphia by Alfred M. Campbell.

A nice lot of new yellow Dickson rose, Harry Kirk, was seen around the Pennock-Meehan market on the 11th and was quickly monopolized by an enterprising retailer. Dr. Huey thinks this is the best yellow to date and equal to Killarney as a hardy hybrid tea.

A. B. Cartledge's new twin screw power yacht, Marguerite II, was launched from the stocks into the Delaware river on Saturday the 9th inst, amidst a shower of baptismal champagne and the hurrahs of many friends. Messrs. Baxter, Green and Kahler were among the store associates from Pennock Bros who helped at the christening. We could tell more about this long-looked-for event but the mere announcement is enough.

Hoopeston, Ill.—Andrew Peterson, of this place, purchased at sheriff's sale, Oct. 1, all the stock of the Momen Greenhouses, Momen, Ill.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St., New York.

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KILLS
MILDEW
EVERY
TIME**

FOR PARTICULARS WRITE
Benjamin Dorrance
ROSE GROWERS
Dorrancton, Penna.

Which Spray Pump?

shall you buy? Buy the
Spray Pump that fully meets the
demands of the Government Agri-
cultural Scientists and all practi-
cal Fruit Growers. These pumps are
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DEMING SPRAYERS
and are made in 23 styles for use in
small gardens or immense orchards.
Write for our 1909 catalog with
Spraying Chart. Add 4 cents post-
age and receive "Spraying for
Fruit," a useful guide book.

CHARLES J. JAGER CO.
251-255 Franklin St., Boston

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Fruit HARD PL Profit

facturers—Im
is the only kind w
young stock into earlies IS THE TIM and to
secure maximum yields from HAN A stock
use **POTASH**, according to the eds of
different fruits.

Quantity is increased and quality is
improved by its application; that is why.

Potash Pays

Proof can be shown by hun-
dreds of poor orchards turned
into good ones by the applica-
tion of Potash. Your com-
mercial fertilizer should contain at
least 10 to 12 per cent. of Potash

Write for Valuable Literature, sent
Free of Charge on Application.

GERMAN KALI WORKS, 93 Nassau Street, NEW YORK CITY
CHICAGO—Monadnock Block ATLANTA, GA.—Candler Bldg.

Address office nearest you



New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine,
one coarse. These are easily removed and quickly cleaned. Spraying
face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connec-
tions. These sprayers will never wear out and are said by users to
be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

**E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.**

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all
soft bodied sucking insects without injury to the
tree. Simple, more effective and cheaper than
Lime Sulphur. Not an experiment. One gallon
makes 15 to 20 gallons spray by simply adding water.
Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

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Not genuine
without it.

**NICOTICIDE
BUG KILLER**

**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to
P. R. Palathorpe Co.
OWENSBORO, KY.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind
Tobacco Powder

All our bags have our guarantee tag
on the bag, reading "Satisfaction or
Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate
a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

FOR "P"

HORTICULTURE

"UCK" TRY
US...

POT MAKERS FOR

secured, notably a new double yellow rose, Rugosa. Mr. Meyer was instructed to select chrysanthemum vated

WORLD'S LARGEST MANUFACTURERS

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additions.

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Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
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Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets, Lawn
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No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
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6	25	22	4.00
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worked with perfect success and is as much better than our old one as
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Louisville, Ky.—F. Walker & Co.,
conservatory, 25x146.

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table forcing houses.

Belleville, Mo.—Henry Emmons, car-
nation house, 22x150.

Nahant, Mass.—Thomas Roland,
range of plant houses.

Winona, Minn.—Ed. Kirchner, re-
tarding house, below ground level.

Kalamazoo, Mich.—G. Van Bochove
& Bro., three houses, each 30x300.

New Castle, Ind.—Benthey-Coats-
worth Co., propagating house, 28x140.

NEWS NOTES.

Dighton, Mass.—Ellery Briggs is in-
stalling a steam pump.

Richmond, Ind.—At the flower show
of the fall festival, Oct. 6, Charles
Knopf Floral Co. won a majority of
first prizes.

Wakefield, Mass.—The greenhouses
formerly run by H. E. Wiley have
been rejuvenated and put in first-class
order and were opened for business
on Oct. 9 by their new owner, Chas.
C. Ball.

Kansas City, Mo.—William L. Rock,
the florist, has laid out and will main-
tain for the pleasure of the public a
garden and park of eighteen acres.

Milford, Mass.—W. D. Howard, the
So. Main street florist, is making ex-
tensive alterations. An addition is
being built to the boiler room and a
new steam boiler of 80 horse power
is being installed.

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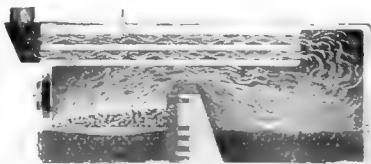
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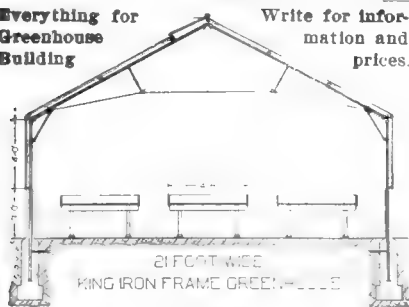
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The Most Popular Boiler Made

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Without posts.

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and under the most severe
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pleased all with its ease of
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\$2.00 per box; 12x24, B, double, \$2.08 per
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\$2.13 per box. Discount in large quantities.
PIPE Good serviceable second-hand with
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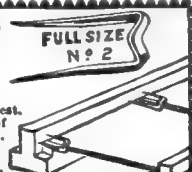
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No annoying, rough finished, crude pieces of workmanship. It is a top notch house **throughout**. That's what we mean by "particularities." It is the house for particular people.

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HORTICULTURE

Vol. X OCTOBER 23, 1909 No. 17



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NARCISSUS BICOLOR VICTORIA

The finest of all the bicolor varieties. We offer a grand lot of mother, or double-nosed bulbs. These bulbs are exceptionally fine, as indicated by the number of bulbs in a case, cases containing 1,250 each.

Full case lots, 1,250 bulbs, for \$25.00; less quantities, \$2.50 per 100.

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Bulbs 13 cm. and up, case of 1,250 for \$11.00; less quantities, \$1.25 per 100. Selected bulbs, 14 cm. and up, 1,000 to the case, \$11.00; less quantities, \$1.50 per 100.

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Double-nosed bulbs, \$2.25 per 100, \$20.00 per 1000.

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Double-nosed bulbs, \$1.25 per 100, \$10.00 per 1,000.

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\$0.75 per 100, \$5.00 per 1,000.

Chinese Sacred Lilies.

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Chrysolora	1.00	7.50
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Rose Luisante	2.25	20.00
Thomas Moore	1.25	10.50
Yellow Prince	1.00	8.50
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Gesneriana Spathulata	1.25	10.50
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Finest Selected Named, \$5.00 per 100, \$45.00 per 1,000. Fine Named, \$4.00 per 100, \$35.00 per 1,000. Separate Colors, \$2.50 per 100, \$22.50 per 1,000. Miniature, or Dutch Romans; Finest Named Sorts, \$2.00 per 100, \$18.00 per 1,000.

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7-9 in. bulbs, \$5.00 per 100; case of 300 bulbs for \$13.50.

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French-grown bulbs, mammoth size, \$1.25 per 100, \$9.00 per 1,000.

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Mixed Colors, \$2.50 per 1,000; finest named sorts, \$4.00 per 1,000.

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Cattleya Gigas (Hardyana Type), C. Gigas Sanderiana, C. Gaskelliana, C. Speciosissima, C. Chrysotoxa, Oncidium Furcatum, Odontoglossum Luteo-purpureum, Miltonia Vexillaria, Miltonia Roezlii and many more. Write for prices.

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400 Queen, 300 Fair Maid, \$6.00 per 100.
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J. J. McMANMON, Nurseryman, Lowell, Mass.

Notes from the Arnold Arboretum

The two Clematises mentioned in the last issue as coming into bloom have now opened their flowers. The handsomest is an apparently new variety of *Clematis lasiandra* with purple flowers. It is a vigorous growing vine perfectly glabrous with angular and grooved stem in a young state more or less viscid, particularly near the nodes. The long-stalked leaves are pinnate with trifoliate leaflets or on lateral shoots the whole leaf often only trifoliate; the leaflets are ovate, long-pointed, toothed and from one to three inches long. The nodding light purple flowers appear in axillary clusters or sometimes solitary, the individual stalks hardly exceeding one inch; the length of the flowers is nearly one inch and they are campanulate with the tips of the oblong-ovate sepals recurved.

Less handsome in flower is *Clematis trullifera*, but it is remarkable for the enlarged base of the leaf-stalks which form large disks surrounding the smooth and perfectly round stem. The leaves are pinnate with ovate long-pointed toothed or slightly lobed leaflets somewhat hairy on both sides, the larger ones about three inches long. The nodding greenish yellow flowers appear in short-stalked axillary clusters and are tubular-campanulate in shape and about three-quarters of an inch long; they are followed like those of the preceding species by conspicuous heads of long-tailed feathery fruits. These Clematises besides another vine, *Paederia foetida*, mentioned in one of the preceding issues, with rather inconspicuous flowers partly hidden by the foliage are now the only shrubs in flower, if we except a few belated spikes of *Buddleia* and our native Witch-hazel.

A very handsome new vine with ornamental fruits is *Celastrus flagellaris* from North China and Korea similar to the well-known Japanese *C. orbiculatus*. It is a high climbing shrub with long and slender branches furnished at the base of the leaf-stalks with pairs of small hooked spines by which it fastens itself to trees and shrubs over which it climbs. The slender-stalked leaves are smaller than those of the Japanese species, broadly ovate or nearly orbicular in outline, from one to two inches long, finely serrate and glabrous. The insignificant greenish flowers are followed by ornamental fruits similar to those of the Japanese species and disposed in the same way along the branches. It has proved perfectly hardy at the Arboretum.

Another high climbing species of the same genus is *Celastrus hypoleucus* (*C. hypoglauca*), named thus for the whitish color of the underside of the leaves. These are generally oblong-ovate, from two to five inches long, crenate at the margin, pointed, bright green above and bluish white on their under side. The flowers are larger than in the preceding species, yellowish white, disposed in terminal panicles up to 9 inches in length and are followed by showy fruits similar to those of the other *Celastrus*.

Celastrus latifolius, like the preceding species from

Central China, is remarkable for the size of its leaves which are up to eight inches in length and six inches in width; they are slender-stalked, oval or broadly ovate in outline, crenate at the margin and at the end contracted abruptly into a short point. The yellowish white, small flowers are followed by dull green fruits disposed in terminal panicles from five to six inches in length and perhaps even larger, disclosing when ripe their orange red seeds. The two last named *Celastruses* from Central China are certainly much more ornamental on account of the large terminal panicles than the other species in cultivation, but they may not be quite as hardy in this neighborhood, which remains to be tested.

Alfred Rehder.

Two Good Climbing Plants

Climbing shrubs with ornamental flowers, apart from roses, are none too plentiful in our gardens and any addition to the number is always welcome to those who have suitable positions in which to grow them. Although by no means new plants, the two to which I wish to draw attention, viz., *Polygonum multiflorum* and *P. Baldschuanicum*, are far from being well known and yet for many positions they are two of the most beautiful and useful plants we have. The first named, a native of China and Japan, has been in cultivation for many years but apart from Botanic Gardens it is not generally known in this country. Young plants raised from seed sent here by that indefatigable collector, Mr. E. H. Wilson, may now be seen growing in the Arnold Arboretum. The plant shown in our cover illustration flowered at the Farquhar greenhouses, Roslindale, Mass., and is on exhibition at the New England Fruit Show.

The other species *P. Baldschuanicum*, is a native of Bokhara and found its way into general cultivation through the Imperial Botanic Gardens at St. Petersburg. Both of these *Polygoniums* are very rampant growers and frequently make as much as thirty feet of stem in one season but in spite of this there is no suggestion of weediness such as can sometimes be seen in plants of rapid growth. The flowers in both cases are white and produced with the greatest profusion in panicles throughout the summer and fall.

It is not difficult to find a suitable place for these two handsome plants. They are perfectly hardy, will succeed on the majority of soils though a good loam is preferable, and require very little attention in the way of pruning, but it is important that a sunny, open position be chosen where the wood is able to become well ripened. For covering pergolas, buildings such as sheds, tree stumps, fences or for any positions where climbing plants are used they are among the most desirable shrubs we have.

Arthur. E. Thatcher

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To restore
 New England's fruit
 prestige

We give a little space to the subject of New England fruit growing this week and only wish we had more room at our disposal in which to set forth the unlimited possibilities of the New England market for the products of agriculture and horticulture—a subject which furnished the theme for one of the most enthusiastic and auspicious meetings which Boston's Chamber of Commerce has ever held. We are glad to see, at last, our brethren of the fruit growing branch of

horticultural industry waking up to the situation as it confronts them in New England and getting ready to "do things." It has been plainly apparent for a quarter of a century that the floral and vegetable forcing industries were far outstripping the fruit growers in enterprise and substantial progress and that for some reason or reasons the fruit interests were lagging and rapidly losing the indomitable energy and lusty vigor which had placed the previous generation of New England fruit enthusiasts in a position of supremacy recognized all over the world. They seem to be going about it in the right way now to recover lost ground and make full use of the hitherto neglected advantages which are within their reach. We wish the movement all success.

State encourage- ment for horticulture

In quite a number of states, horticultural societies which are giving stated public exhibitions on broad lines and using their resources and best abilities for the advancement of horticulture in all its branches, are now receiving the benefit of state appropriations, under reasonable oversight. In those states where such appropriations are monopolized by organizations devoting their energies to any one division of horticulture such as commercial fruit growing, or any other single item, we believe it will be only necessary for the friends of other branches of the horticultural industries to voice their request in their respective societies or, failing of proper recognition there, to make appeal direct for legislative consideration. Wherever this stand has been taken the result has been encouraging and when consistently and persistently followed up it has been satisfactorily demonstrated that horticulture can get much more than it has been getting if it will only go after it. The good example of states where this has been done,—say for instance in Illinois,—should serve as an inspiration in other places and make the undertaking much easier of accomplishment. Horticulture enjoys a popularity today far greater than ever before and the people and their representatives are disposed to treat it generously. This is due in a much greater degree than is generally realized, to the educating influences of our public parks. No other agency has done so much to elevate horticulture to its rightful place in the estimation of all the people.

The dahlia's future

It must be quite evident to the unprejudiced observer that the dahlia, notwithstanding the enthusiastic efforts of its confident backers to give it position and prestige, has hardly attained the position we should all like to see it attain as a universally popular garden plant. As an exhibition flower all will admit its adaptability. Its almost endless range of tints and combinations of color, and great variety of form make it an object of never failing interest and admiration and it is no surprise to us to see crowds of people with note book and pencil in hand gathered around the exhibition table or the florists' window where the resplendent blossoms are spread out under name or number, enchanted with the dazzling and radiant display and recording for future acquisition the varieties that charm them most. There are other ways in which the dahlia may be shown to advantage in the exhibition hall, besides the somewhat monotonous method of arrangement in bottles on flat tables, to which we have heretofore called attention and the "dahlia show" can undoubtedly be made in the future much more of a gorgeous and pleasing autumn festival than it has in the past. But go through the dahlia fields of the exhibitors of these flowers so fascinating when cut and

staged, and undertake to select from the big sprawling masses of coarse growth specimens that would acceptably adorn a well-groomed garden—considering further that for the greater part of the season they have been flowerless and that one frost means their utter ruin—and the dahlia's shortcomings will quickly be manifested. Instead of working to add to the number and variety of forms and colors of flowers of which there is a superfluity already it would seem that the dahlia specialist might better devote his energy and ingenuity to the development of greater compactness of habit and earliness of flowering, eliminating the rampant coarseness of the plant and thus giving it a shapely finish as yet unattained for garden use, and securing a longer and more reliable period of floral effect.

European Horticulture

THE CHIEF MEETING OF THE GERMAN DAHLIA SOCIETY

The order of the day was not abundantly filled on this occasion, owing to the acting chairman of the society being greatly burdened with the work of the exhibition. Mr. Obergartner Bergmann discoursed on the exhibits of dahlias; Mr. Editor Schneider, conversed about the exhibits of the florist's art and the importance of the dahlia to the florist of the present day; whilst Mr. Obergartner Schonborn of Wahren talked about Otto Mann's introductions of new herbaceous plants for cutting purposes, gladioli, etc. Herr G. Bornemann, president, read a report of the dahlia trial grounds at the Palmengarten, and at Otto Mann's nurseries at Leipzig-Entritzsch; and a letter was read from a member, Mr. Heinrichsen, concerning the condition of the Frankfurt trials. Should the exhibition at Leipzig turn out to be unfavorable the proposed great dahlia show in 1910 would be questionable, and as a substitute it was hinted that a visit should be undertaken to England during the dahlia season.

RE PELARGONIUMS BEROLINA AND METEOR (SYN. PAUL KRAMPHEL)

In a note in "Die Gartenwelt" for October 2, 1909, Herr W. Wendt, landscape gardener, Berlin, states that on six sunny balconies having a total length of 18 metres, he had substituted the variety Berolina for Meteor which he had previously employed as screening plants, rejoicing in anticipation on the fine effects these plants would produce in this sunny aspect. On these six balconies there were, however, about eighteen miserable blooms at the time of writing, instead of numerous corymbs, as would have been the case had Meteor been employed. The excuse that the Berolinas were spoiled by being crowded by other plants does not hold good, as in front of these stood plants of Begonia *Erfordia*, *Pelargonium peltatum* *Leopard*, which last in common with Meteor most decidedly, in regard to its fine clear coloring and markings, is to be preferred to the so-called Berlin *peltatum*. The result of his experience is that P. Meteor remains Meteor, and that the best about Berolina is its name.

DAHLIAS IN GERMANY

The readers of this journal who do not receive the German nurserymen's and florists' lists and may be desirous of information in regard to new varieties of dahlias now commonly cultivated in Germany by amateurs and gardeners will read the following remarks with interest. The varieties are almost exclusively of German origin, and are selected from a list of Herr Karl Bergmann's published in a leading gardening journal. The weather in the summer and autumn was wet and cool, causing unsatisfactory growth in the

plants, the shoots overtopping the flower-buds, and many varieties produced their blossoms beneath the foliage instead of above it, as is usual with them, but as the rains ceased and the weather became dryer the dahlias flowered abundantly, and the flowering season continued for a greater length of time, than has seldom occurred in that country.

Certain varieties as Aphrodite, ivory white; Sylphide, light rose; and Melpomene, dark crimson, flowered early and were richly colored, notwithstanding the unfavorable weather. The last two are sports from the first named variety, and they have the peculiarity of bringing flowers which are occasionally striped, and of much beauty. Other early bloomers are Polarstern, pure white; Weisse Perle, Erlkonig, light saffron; Medusa, blood red; Landrat Dr. Scheiff, of middling height, and of amber color; Feurstern, brilliant scarlet, a small Liliputian cactus variety; Vestalin, lilac, with light pink tint, a capital bouquet flower; Brantjunger, whitish pink, an abundant and early flowerer, which now and then produces less well-filled double flowers; Thuringia, of a fiery orange red tint; Aristocrat, cinnabar scarlet, the flower well poised. These are especially recommended for early flowering.

Of the large flowered section the writer lays great stress on Socrates, rosy scarlet, with florets inclining inwards; Aristid Gurtler, raised in Hungary, a flower of enormous size and of light red tint, the florets likewise bent inwards. The flower stalk is certainly too weak to carry the heavy bloom; Lisa Barecke is of a clear reddish lilac tint, and the flower is borne erect.

Of dwarf varieties of show dahlias mentioned may be Puck, orange scarlet; Zaunkonig, light carmine; Nick, dark carmine; Citronenvogel, light yellow, having a pink tinge; Edelweiss, snow white; Alma, rosy lilac; and Johannes Mortensen, orange colored. These last three are new. Marianne, which came into commerce in 1906, belongs to this class. The flowers have broad florets, and are of a pretty, loose form, and the color that of old gold. The flowers are much valued for florist's work. Harzer Kind has flowers of middle size, which appear early in the season, are moderately double and of a clear pink color, and they are carried well above the foliage, erect, and in great profusion.

NEW VARIETIES OF ROSES

The following new roses were noted in a collection shown by Messrs. W. Paul & Sons at a late show at the R. H. S. Hall, Westminster, viz., Comtesse Icy Hardegg, having the shape of Gruss an Teplitz, and a rosy crimson tint—a charming flower; Hugo Roller, a flower having white central petals, and outer ones cerise; Mme. Maurice de Luze, the flower of exquisite shape and the color a deep rose; Gruss an Sangerhansen, a purplish crimson, flat formed bloom; Le Progress, with beautiful shell-shaped petals, in color buff, and seen at its best in the partially open state; and Bianca, a white petalled flower with the tips of the petals a tender pink color. As a half opened bud it is a great beauty.

LETTUCES

The firm of J. Veitch & Sons have this year made a great display of vegetables and saladings. Among the latter deserving of special notice for their compact shape and firmness may be mentioned the All Seasons Cos and Goldrings Cos. The last named possesses leaves of a remarkable dark green tint, and brown at the tips. The following appeared to be excellent cabbage varieties, viz., Continuity, White Chavigny, a large and close form; Buttercup, and New York.

Frederick Moore

SOME WORK OF THE U. S. DEPARTMENT OF AGRICULTURE AS AFFECTING FLORICULTURE.

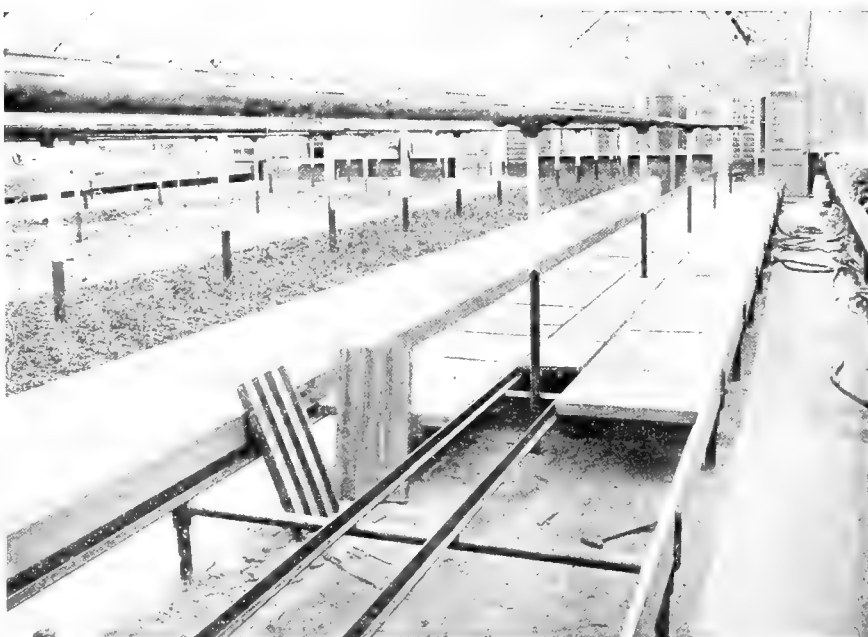
By B. T. Galloway, Chief of the Bureau of Plant Industry, U. S. Department of Agriculture, before the Society of American Florists, at Cincinnati.

(Continued from page 560)

Special Work with Carnations.

I have briefly reviewed the foregoing questions more as an introduction than an attempt to give you detailed information as to work actually accomplished, or in progress. My particular object at this time is to set before you certain results which have been secured in connection with our work on carnations and the growing of bulbs in the United States. At one of the former meetings of this Society we presented some of the results secured in the matter of feeding the carnation. Soon after this work was completed the houses in which we grow carnations were modified for the purpose of obtaining light on the relative effect of growing the crop on raised benches as compared with solid beds. The rapid increase in the price of lumber has made it essential and necessary that florists should take advantage of all methods or practices which will reduce the cost of production without interfering with the size and vigor of the plants or crop grown therefrom.

The experimental carnation houses of the Department are built on the rigid furrow plan and run north and south. There are no separating partitions, the house as a whole being 48 feet wide and 133 feet long. For experimental purposes the house is divided into seven beds which when filled



Wooden bench to the left with 3 in x 4 in. wooden supports, supports placed 4 feet apart. Bench three feet high. Solid concrete bed in center.

will hold about six thousand plants. It was planned in the experiment about to be described to test the effect of growing the crop on raised wooden benches constructed in the usual way with wooden supports; on tile bottom benches with iron supports, and in solid beds with concrete walls. The wooden supports of the raised wooden benches are made of 3-inch by 4-inch Georgia pine and placed four feet apart. The benches themselves are made of 1-inch by 12-inch by 16-foot white pine boards. The benches are about three feet high. The tile bench has a frame constructed of 1 1/4-inch iron pipe, the supports being set five feet apart. The legs of the supports

are set 12 inches in the ground in concrete, with two lines of two-inch angle iron and two lines of two-inch T-irons resting on the pipe supports to carry the tile bottom. The tile slabs are 23 3/4 inches long, 12 inches wide and 1 inch thick. There is a 6-inch iron spear point attached to the legs to support the side or facial boards. The height of the tile bench above the walk is 18 inches, corresponding practically with the solid beds next described. The walls for the solid beds are made of concrete, 4 inches thick and 24 inches high. Six inches of the wall is below and 18 inches above the ground. The concrete was made of one part Portland cement, three parts sand and six parts broken stone or gravel, without reinforcement. Such construction work can be done by greenhouse men themselves. Where soft coal is burned the ashes after screening would take the place of sand and gravel in about the same proportions. The usual way to construct with ashes or cinders is to use one part Portland cement, three parts fine ashes, and six parts coarse cinders. We constructed our beds 18 inches high for convenience in working them and gathering the flowers. If the beds are lower than this it is necessary to bend the back a good deal, which cuts into the time of the men when they are working with the plants. The accompanying photographs illustrate the methods of construction more satisfactorily than mere description.

It is interesting to note the relative cost of these different types of construction. The cost of the wooden benches constructed in the ordinary way with the wooden supports was 12 1/2 cents per square foot of bed space. The cost of the raised beds with iron supports and tile bottoms was 17 cents per square foot, while the cost of the solid beds with concrete walls was 11 cents per square foot. The cost per plant was 9 cents for the wood benches, 8 cents for the solid beds with concrete walls, and 12 cents for the tile bottom benches with iron frames and supports. It thus appears that the



Method of constructing tile bench with iron supports, U. S. Department of Agriculture.

solid beds with concrete walls cost less than the other two forms of construction and are for all practical purposes permanent.

The soil for the entire house was the same, being made from good fine sod composted at the rate of three parts soil and one part of well-rotted manure. The soil and manure were mixed thoroughly and worked over several times before being brought into the house. The raised wooden bench and tile bench were filled in the usual way. The solid bed was filled to a height of 12 inches with cinders, then two inches of straw was put on to prevent the soil from washing into the cinders. On top of the straw four inches of compost was added, this bringing it up flush with the top of the concrete walls.

With a view to getting definite information regarding the effect of the character of the bed, if any, on vigor and productiveness, the house was divided into five sections, a different variety of carnation being planted in each. Section one, for example, was planted to Winsor; that is, a portion of the wooden bench constituting about one-fourth of the entire length was planted to Winsor, the same variety being used for one-fourth of the tile bench and one-fourth of the solid beds. There were 1126 Winsor plants involved in this experiment—a sufficient number to give us a fair commercial test. The same methods were followed in the next section which was planted with White Enchantress, the next section with White Perfection, the next with Beacon, and the next with Pink Enchantress. A careful record was kept of the number of flowers cut from each section and the value of the cut estimated from the prevailing prices of carnations during the season. Without going into the details of this work it suffices to say that the records kept as described were for five months, including November, December, January, February, and March, and show practically no difference in the yields from the beds of different construction, if

anything the solid beds giving slightly better results. Our records show, for example, that the average yield per plant from the Winsor plants on the raised wooden benches was 14 flowers for the period indicated. The average yield on the solid beds was 12 flowers; on the tile bench 11 flowers per plant. The average yield of the Beacon on the raised wooden bench was 13 flowers, on the solid beds 13.9 flowers, and on the tile bench, 9.9 flowers. The average yield of Enchantress on the raised wooden bench was 10 flowers, on the tile bench 10, and on the solid beds, 13 flowers.

It should be borne in mind that records were kept for five months only. If they had been kept the whole season through, the average yields would have been about doubled.

The plants in the solid beds, however, were decidedly more vigorous, the stems being stronger and the flowers larger than in either the wooden or tile benches, consequently were worth more money. This is due to the fact that there is much better drainage in the solid beds. The soil never becomes soggy when an over-supply of water is put on as has been found to be the case with the wooden and tile benches. The plants in the tile bench were the least vigorous. It has been our experience that it takes about the same time to work the solid beds as the raised wooden benches. We have found, further, that the solid beds do not require watering as frequently as the other benches. It has been our practice to water the solid beds once a week, while it has been necessary to water the tile and wooden benches at least three times in two weeks.

The cuttings for this experiment were made about January 1 and potted in two-inch pots when well rooted. Early in March they were shifted to three-inch pots where they were kept until the last week in April, when they were transferred to the benches. No field-grown stock was used in the experiment.



Solid beds, showing method of filling, first, cinders, 12 inches; second, straw, 2 inches, and last, compost, 4 inches. Walls 18 in. high, 4 in. thick.

"WIRELESS" FROM FALL RIVER.

Paul de Nave's orchid-growing enterprise, begun eighteen months ago, gives every evidence of panning out successfully from now on. *Cattleya labiata* is beginning to bloom abundantly and there will be a succession of the different species and varieties in their season to keep up the continuous supply so essential in commercial orchid growing. The flowers are sold through Welch Bros., Boston. Mr. de Nave grows the greater part of his cattleyas in osmunda fibre, wired to flat boards about five feet long, a method similar to that followed by Lager & Hurrell. Besides the cattleyas there are oncidiums, vandas, cypripediums, dendrobiums, etc., that always useful and profitable white orchid, *Dendrobium formosum*, figuring prominently. This establishment will help fill a gap in the New England cut-flower market which has often been shy on orchids when they were most wanted, and the demand is sure to increase as facilities for production are enlarged.

C. Warburton, a few rods distant, still makes the carnation his special hobby regardless of the Cressbrook rebuff of a few years ago. There are ten thousand carnations in the benches. White is the winning color in Fall River, and hence predominates. One house of White Perfection planted in late July is a sheet of bloom now. A house of White Enchantress planted three weeks later is just about three weeks behind the other, and it is a credit to its name. There is a white seedling now in bloom which gives promise of a brilliant future, but it will be given two years further opportunity to show its quality before it even gets the honor of a name. The chrysanthemum houses are an attraction at present. Three blooms to the plant is the most profitable method in Mr. Warburton's experience, where local retail trade is the mainstay. Early Snow is the favorite white and it would be hard to beat it as a clean, uniform, shapely and healthy flower. A yellow of equal value to follow Golden Glow is wanted.

CATALOGUES RECEIVED.

Andorra Nurseries, Chestnut Hill, Pa.—Wholesale Price List of Specimen Trees, Shrubs, Roses, etc.

E. S. Miller, Wading River, N. Y.—Trade Price List of Bulbs and Hardy Plants for Spring 1910. *Gladiolus Gandavenses*, G. Childs and Lemoine's hardy hybrids, irises and other hardy herbaceous plants and a fine list of hardy lilies are included at prices that insure a sale.

New England Nurseries, Inc., Bedford, Mass.—Catalogue of Standard Fruits for New England Planting. This is a fine publication on a timely topic and we know by personal observation that the trees and shrubs which it lists are of the highest quality and best selection for the purposes indicated.

Washington, D. C.—A vote of protest was passed by the Florists' Club of Washington at its meeting on Oct. 8 against the selling of flowers by peddlers on the street.

NEWS OF THE CLUBS AND SOCIETIES

NEW ENGLAND FRUIT SHOW.

The sensation of the week has been this mammoth exhibition of New England-grown fruit, filling every nook of the Massachusetts Horticultural Society's building. The show opened on October 19, and will continue until Sunday night, October 24.

The president of the show, J. Lewis Ellsworth, and Gov. Eben S. Draper were the principal speakers at the opening on Tuesday. President Ellsworth told of the folly of fruit and apple growers going West and urged them to take care of the orchards at home.

Governor Draper told of his own attempts as an apple grower, and also of the success which has encouraged him to buy a large orchard with about 250 apple trees, which he will cultivate.

The New England Fruit Show is one of the results of the conference of the governors of the New England states, held in Boston during last November. It has been the object of the officers of the Association to bring together the finest exhibition of fruit ever assembled by New England fruit growers, and to demonstrate that New England can and does produce the finest quality of fruit grown.

This was all demonstrated by the excellent exhibits of apples, pears, grapes, peaches, plums and other varieties of fruit. Especially good is the exhibition of apples.

The judges have about \$5000 worth of premiums to dispose of, and there is abundant material to which every dollar of it may be worthily awarded. The display of apples is by far the biggest and best ever seen here. Vermont, New Hampshire, Maine, Massachusetts, Rhode Island and Connecticut are all heavy contributors to the barrel, box and plate displays. Up to time of writing the public attendance has been good. Twice a day there are demonstrations and competitive contests in packing apples in boxes and barrels. Teams representing the University of Maine, University of Vermont, Massachusetts Agricultural College and New Hampshire College indulged in a competitive contest in judging fruits on Wednesday forenoon. On the afternoon of the same day, Geo. T. Powell, of Ghent, N. Y., spoke upon "Some Essentials in the Production of High Grade Apples," and on Thursday, Wm. A. Taylor of the U. S. Department of Agriculture, delivered an address on "Orchard Management and Varieties for New England."

The allied industries are well represented, particularly the manufacturers of and dealers in spraying materials and implements. The exhibit of the Bowker Fertilizer Co. and Bowker Insecticide Co., which occupies a central position in the lobby, is very large and interesting. Some of the exhibitors come from distant points and all the booths are in charge of representatives of the respective houses. Grasselli of Cleveland, Ohio, and Thomsen of Baltimore, are among the largest exhibitors in the insecticide line. Harrison's Nurseries, Berlin, Md., have a fine tree exhibit and

so has the New England Nurseries of Bedford, Mass. A cider mill in operation and attended by attractive young ladies is on from Chicago. There is music by a ladies' orchestra every evening. Wilfrid Wheeler, secretary of the Show, who has worked untiringly for many weeks in preparing for the affair, has every reason to feel elated at the splendid success of this exhibition which, it is understood, is only the initial one of a regular series.

SOCIETY OF AMERICAN FLORISTS' AND ORNAMENTAL HORTICULTURALISTS.

Registration of Roses.

Messrs. Peter Henderson & Co., 35 Cortlandt street, New York, N. Y., offer for registration the following roses: Name—Priscilla.

Description—A seedling from Kaiserin Augusta Victoria crossed with Frau Karl Druschki. Color clear white, double flowers. Shows unmistakable evidences of its parentage in flower, stem and foliage, but distinct from each. Very free blooming, moderate growth, good stem and foliage.

Name—Abundance.

Description—A cross between Clothilde Soupert and Souvenir du Pres. Carnot. Flowers pink, produced in great abundance. Habit dwarf and compact, branching freely; good foliage.

These applications for registration having been submitted to the American Rose Society, and having been approved and accepted by them, the registration is completed under the rules of this Society.

Registration of Fern.

Public notice is hereby given that Mr. Alfred Roedder, Shorb, Calif., offers for registration the plant described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description—Fronds 30 to 36 inches long, erect, 8 to 12 inches broad with strong stems. Pinnules one-half inch; a strong easy grower of the cuneatum type; originated with me four years ago.

Name—Adiantum Roedderii.

W. N. RUDD, Secretary.

October 15, 1969.

BUFFALO FLORISTS' CLUB.

Much important business was transacted at the last meeting. Several new applicants were elected and the club is swelling in the membership list. A paper read by W. A. Adams on "Bargain Sale Flowers," was very interesting and much discussion followed. At the next regular meeting President Slattery is booked to read a paper on "Color Harmony." A flower show is to be held some time in November on the same lines as the one held a year ago and the committee selected by President Slattery will no doubt prove same to be the best show ever held here.

NASSAU COUNTY HORTICULTURAL SOCIETY.

This society held its annual show in Pembroke Hall, Glen Cove, N. Y., on Wednesday, October 13th. Never has a finer display of dahlias been seen at Glen Cove. The hall was literally packed.

The Dean cup, a much coveted trophy, was much competed for. G. Wilson, superintendent for Mrs. B. Stern, Roslyn, L. I., was the winner. Mr. Wilson staged about 110 varieties, all in fine condition. Many good dahlias were noted in the collection, amongst which were vases of Dreer's White, Grand Duke Alexis, Chas. Lanier, Cuban Giant, Le Colosse and many others. J. Duthie, superintendent for G. M. Townsend, was second in this class. Mr. Duthie's collection was also of a high order, but some of his blooms were a little spent.

Mr. Wilson also won the Society's prize for the best collection of dahlias, G. W. Barton, gardener for H. W. Buchnals, being second. Mr. Duthie was awarded first for 12 distinct cactus; W. Eccles, superintendent for M. L. Schiff, second.

Mr. Duthie also won the class for 12 double varieties; Mr. Barton second; 12 pompons, J. Duthie; 12 singles, J. O'Brien, gardener for Parker D. Handy. S. J. Tiepass won first for four vases of four standard varieties; G. Wilson, second. First prize for vase of white, J. O'Brien.

Mr. V. Cleres exhibited some very fine vases of singles, for which he was awarded honorable mention. The Huntington Nursery Co. exhibited a magnificent vase of dahlias, for which they were awarded honorable mention.

Mr. Eccles was awarded a certificate of merit for vase of white cosmos, and H. F. Matz honorable mention for vase of single violets. R. Knight was awarded a cultural certificate for two vases of chrysanthemums, his Beatrice May being exceptionally good. Messrs. Nicol and Kirby acted as judges.

The regular monthly meeting was held in the ante-room. There was a good attendance, the large ante-room being packed. After formalities were gone through, President Everett presented Mr. Wilson with the Dean prize, a massive silver cup, of beautiful design. Some very fine stuff was staged for points and exhibition at this meeting, P. Reul again leading. The judges' awards were as follows: P. Reul, cauliflower, 93 1-3; V. Cleres cosmos, 90; Gaut, sweet potatoes, 85; G. Wilson, dahlias, 81 2-3. P. Reul was also awarded a cultural certificate for cauliflower and honorable mention for celery. V. Cleres, honorable mention for cauliflower; W. Marshall, cultural certificate for vase of chrysanthemums, Beatrice May; G. Ashworth, thanks of society for quincies; Petroccia, honorable mention for cauliflower. Messrs. Holloway, Duthie and Garrett acted as judges. Several new members were elected. P. L. Swan, Oyster Bay, was elected to honorary membership.

W. H. MacKENZIE,
Corresponding Secretary.

No Licensed Fireman Required

On Low Pressure Steam Boilers
if you put in the

Ashton Safety Valve

Complying with the Latest Revised Laws of the State of Massachusetts.
Accepted and approved by the Board of Boiler Rules and the Chief of the District Police.

These valves when applied to heating boilers carrying a pressure of not over 15 lbs. per square inch will permit the operation of the boilers **without requiring a licensed engineer or fireman.**

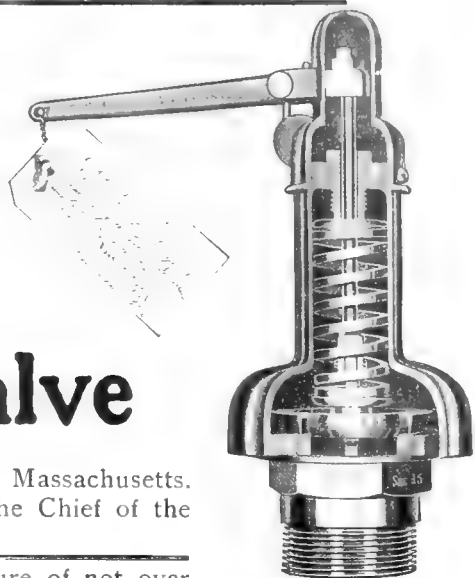
PRICE LIST: 2 inch, \$22.00; 2 1-2 inch, \$34.00; 3 inch, \$48.00; 3 1-2 inch, \$60.00; 4 inch, \$70.00. Liberal Discount from this List.

We have exclusive agency for this valve. Will furnish it at Manufacturer's Price. Without it, all greenhouses equipped with steam heat **must** have one or more licensed firemen.

WELCH BROTHERS

226 Devonshire Street

Boston, Mass.



Heacock's Palms

KENTIA BELMOREANA

	Per doz.	Per 100
5 n. pot, 6 to 7 leaves, 18 in. high.....	\$5.00	\$50.00
6 in. pot, 6 to 7 leaves, 22 to 24 in. high	Each	Doz.
7 in. pot or tub, 6 to 7 leaves, 34 to 36 in. high.....	1.00	12.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. high very heavy.....	2.50	30.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. high very heavy.....	5.00	
	6.00	

MADE UP KENTIA FORSTERIANA

	Each
7 in. pot or tub, 4 plants in pot, 36 in. high.....	\$2.50
7 in. pot or tub, 4 plants 36 to 38 in. high.....	3.00
9 in. tub, 4 plants in tub, 42 to 48 in. high.....	5.00

ARECA LUTESCENS

	Each
6 in. pot, 3 plants in pot, 24 to 26 in. high.....	\$2.75
6 in. pot, 3 plants in pot, 26 to 28 in. high.....	1.00
7 in. pot, 3 plants in pot, 30 to 32 in. high.....	2.00

COCOS WEDDELIANA

	Per 100
2 1/2 in. pot 8 to 10 in. high.....	\$10.00
3 1/2 in. pot, 10 to 12 in. high.....	15.00

Joseph Heacock Co. WYNCOTE, PA.

LILACS

THE CHOICEST VARIETIES

Including the famous HIGHLAND PARK COLLECTION

Catalogue containing descriptions of 85 different kinds will be sent on request.
This Catalogue also contains accurate and trustworthy description of the best

Trees, Shrubs and Hardy Plants

ELLWANGER & BARRY, Mount Hope Nurseries, Box T, Rochester, N. Y.

ROEHRS, RUTHERFORD N. J.

LORRAINE BEGONIAS

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

HARDY PERENNIAL PLANTS SPECIAL OFFER.

Doronicum excelsum, \$6.00 per 100. Doronicum caucasicum, \$5.00 per 100. Veronica longifolia subsessilis, \$4.00 per 100. Write for prices on Hardy Perennial Plants.

OLD TOWN NURSERIES,

S. NATICK, MASS.

Having just returned from Europe I am now in a position to offer

20,000 AZALEAS

in leading varieties at lowest wholesale prices, also

Araucarias, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus,

150,000 Small Ferns for Dishes in best sorts

Wholesale Price List on Application.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohlii, Scottii, Todeaoides. Begonia Gloire de Lorraine, 6 inch, by the thousand. Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
PHILADELPHIA, PA.

IF YOU COULD SEE OUR BULBS

You would place an order with us at once. They are large, sound, smooth, bright colored; just the kind for forcing or outdoor planting. Although we have had the largest trade so far in the history of this concern, we shall not be satisfied until we get YOUR order.

SPECIAL BARGAIN

As an inducement for a general order of bulbs, we offer Mixed Double Hyacinths, for a few days only, at \$2.35 per hundred. This is the same grade catalogued at \$2.75. This offer is made for orders of not less than 50 bulbs, and only to those who mention this paper.

BETTER SEND US AN ORDER TODAY

JAMES VICK'S SONS, - Rochester, N.Y.

AMERICAN ROSE SOCIETY.

The Executive Committee of the American Rose Society held a meeting in New York City, and it was decided to issue a second edition of the supplementary schedule for the exhibition of 1910, to be held in the American Museum of Natural History, New York city, with the list of additional special prizes that have been offered.

President Poehlmann urges the New York people to do their best in both growing material and in making prizes of such character that the display will out-do what was offered at Chicago. Vice-President Pierson responds that if it is possible they will put up such a show here in New York that it will attract the attendance of tens of thousands of people because of its beauty, its surroundings and extent, and every effort should be made to get a list of special prizes that would tempt efforts upon the part of the best growers of all kinds—amateur or commercial—to show up what they can do. New York city is the greatest rose market in all America. Part of the work of the American Rose Society, as stated in its by-laws is, "To increase the general interest in the cultivation and to improve the standard of excellence of the rose for all the people and to make it especially useful to amateurs."

On the 12th of October, there assembled before the Union Free School of Fishkill Landing, N. Y., a company of

over five hundred to listen to the report of a Home Garden Committee, comprised of the Rev. Dr. MacCullum, Mr. W. J. Pralatoski, and Mr. Frank Tully, the street commissioner. For six months this committee had been overlooking the gardens of the village, one of which was that of Mrs. Amelia Lefevere, a colored woman, who had a front yard devoted exclusively to roses and so well kept that it attracted the general attention, and as an encouragement for home amateurs, the American Rose Society at its meeting in Cincinnati, voted a silver medal to be awarded in recognition of this excellent example of amateur work. When the medal was presented to her, the whole company clapped most lustily and nothing occurred that was of more public interest than this particular act. The committee also made mention of two children's gardens which were really a credit to anyone.

It was resolved at the meeting of the executive committee to hold a meeting of the Rose Society on November 3rd, 1909, at the horticultural exhibition to be held in New York at the Museum of Natural History.

BENJAMIN HAMMOND, Secy.

CONNECTICUT HORTICULTURAL SOCIETY.

By an error in making up our schedules or prize lists, the dates for the coming chrysanthemum exhibition at Putnam Phalanx Hall, Hartford, were set down as November 4 and 5, whereas they should have been November 3 and 4. To avoid confusion, after the mistake was discovered, an effort was made to procure the use of the hall for the 4th and 5th, but it was found that other parties had engaged it for the 5th. Entry blanks are now being sent out, and should be returned to the secretary by November 1st.

Nathan F. Peck, one of our long-time and esteemed members, has a pawpaw tree now in full bearing, and is enjoying its toothsome, custard-like fruit. The tree has stood for about ten years in his beautiful grounds on Niles street, Hartford; and its constitution seems to be perfectly hardy, having withstood, in the winter of 1903-4, a temperature of nearly 40 degrees below zero, when thousands of trees were killed in this state, and some entire orchards nearly destroyed. The pawpaw fruit is very perishable, lasting but a day or two after being picked.

GEORGE W. SMITH,
Secretary.

FLORISTS' CLUB OF PHILADELPHIA.

A banquet will be given at Dooner's Hotel, 10th street above Chestnut, on Thursday evening, October 28, 1909, at 7 o'clock, as a testimonial to Mr. Edwin Lonsdale, who is leaving this city early in November to take up his residence in California. All members of The Florists' Club, also any friends of Mr. Lonsdale in the allied horticultural professions, are cordially invited to participate. The subscription is \$5 per person.

In order to make proper arrangements, replies should be sent at once to David Rust, Secretary, The Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce, Philadelphia.

No provision will be made for anyone who has not replied by noon on Monday, October 25th.

JOHN WESTCOTT,
FRED'K HAHMAN,
GEO. C. WATSON,
Committee.

For other Club and Society News see page 592.

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Rambler Rose

Finest for in and outdoor

NEWPORT FAIRY

Fine, strong field grown stock 50c ea.,
\$20.00 per 100

Julius Roehrs Co.

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PANSY PLANTS

From my well-known strain, none better; also DAISIES (bellis) and FORGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

NOW READY

Zirngiebel's Fine Strain of

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they can't be beat; well known for a century; good strong plants, 50c per 100, \$4.00 per 1000.

AUGUSTUS ZIRNGIEBEL,
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APHINE

DOES ITS WORK INSTANTANEOUSLY

It kills every species of plant lice without the slightest injury to flower or foliage.

"Aphine has a future as wide and long as the United States."—Says "Colliers."

"Aphine will do all you claim for it, and more."—says Chas. H. Totty.

It can be applied as a spray—wash or dipping solution, at the average strength of 1 part Aphine to 40 parts water.

\$2.50 per gallon.

George E. Talmadge, Inc.
MADISON, N. J.

If you cannot secure Aphine from your supply house advise us.

Dreer's Special Offer

OF

Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world. Our collection is unequalled, and we are prepared to furnish the new and rare kinds as well as all the popular standard varieties in large quantities.

The plants we offer are all strong one-year-old field-grown plants and will make a fine display of flowers next season.

New and Rare Varieties.

	Per 100	Per 1000
Aglae Adanson (Tall). Immense flowers, snow-white, with red eye.....	\$8.00	\$75.00
F. G. Von Lassburg (Medium). The purest white in cultivation; individual flowers larger than any other white..	8.00	75.00
Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.....	6.00	50.00
Louis Blanc (Tall). Reddish-violet, with purple shadings and darker eye. A distinct dark-colored variety.....	6.00	50.00
Prosper Henry (Dwarf). Large compact truss of pure white with bright crimson-carmine center.....	6.00	50.00
Siebold (Dwarf). An improvement on the popular scarlet "Coquelicot," brighter and stronger.....	10.00	90.00
George A. Stroblein (Medium). Bright scarlet, with crimson-red eye; does not bleach.....	10.00	90.00
Mme. Paul Dutrie (Medium). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large, and borne in panicles of immense size.....	10.00	90.00
Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.....	6.00	50.00
Von Hochberg (Medium). The ideal crimson Phlox; the richest of its color.....	10.00	90.00

General Collection of Hardy Phlox.

Best Scarlet and Red Varieties.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.
Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.
Etna (Medium). Crimson red suffused with fiery red; cherry-red eye.
Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.
General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.
Pecqueur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet, fine.
R. P. Struthers (Tall). Rosy carmine, with claret-red eye, fine.
Price: Any of the Scarlet or Red Varieties, \$6.00 per 100; \$50.00 per 1000.

Best White Varieties.

Albion (Tall). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
Diadem (Dwarf). A fine dwarf, pure white.
Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.
Jeanne d'Arc (Tall). A good standard late white.
Louise Abbema (Dwarf). A dwarf pure white of fine form.
Mrs. Jenkins (Tall). The best tall early white for massing.
Price: Any of the White Varieties, \$5.00 per 100; \$40.00 per 1000.

Best Pink and Rose-colored Varieties.

Bacchante (Tall). Tyrian rose with crimson-carmine eye.
Caran d'Ache (Dwarf). Geranium-red, with old rose shadings and white eye; very effective.
Clara Benz (Dwarf). Lovely carmine rose, with darker eye.
General Giovaninelli (Dwarf). Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.
La Vague (Medium). Pure mauve, with aniline-red eye.
Pacha (Dwarf). Deep rose pink, suffused with Solferino-red and carmine-purple eye.
Pantheon (Tall). Bright carmine rose.
Selma (Tall). Large flower, pale rose mauve, with claret-red eye.
Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.
Price: Any of the Pink or Rose sorts, \$5.00 per 100; \$40.00 per 1000.



Best Purple and Crimson Varieties.

B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.
Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Chevalier de Bouffiers (Medium). Deep reddish violet, with brighter shadings.
Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.
Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.
Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre with an exceptionally large white centre.
La Foudre (Tall). Rich glowing French purple, shading crimson.
Le Mahdi (Tall). Deep reddish violet, with darker eye.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
Price: Any of the Purple and Crimson sorts; \$5.00 per 100; \$40.00 per 1000.

Best Light Varieties With Dark Eyes.

Bridesmaid (Tall). White, with large crimson-carmine centre.
Colibri (Tall). White, with crimson-carmine centre; very late.
Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.
H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.
Price: Any of the Light Varieties with Dark Eyes, \$5.00 per 100; \$40.00 per 1000.

Best Mottled Varieties.

Antonin Mercle (Medium). Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.
Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.
Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.
Price: Any of the Mottled Varieties, \$5.00 per 100; \$40.00 per 1000.

Phlox Sufruticosa — Miss Lingard.

Extra strong plants of this valuable early white flowering variety \$6.00 per 100; \$50.00 per 1000.

For the most complete assortment of Hardy Perennials offered in America, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Seed Trade

Big Turnip Crop of Prince Edward Island.

Consul Frank Deedmeier writes from Charlottetown that the 1909 crop of turnips and other roots in Prince Edward Island is estimated at 4,500,000 bushels, or about 20 per cent. of the production of all Canada. The home consumption of turnips is about one-half, the surplus being shipped to New Brunswick and Newfoundland, and if prices are high there in the spring, to Boston. Prices last year were 14 cents per bushel f. o. b. Charlottetown and Summerside. As hay and other feed stuffs are abundant this year, 12 cents is the expected price this fall.

Notes.

The partnership between Alfred Watkins and Chas. David McKay, carrying on business as Watkins & Simpson, at 12 Tavistock street, Covent Garden; 13 Exeter street; Mercer avenue, Long Acre, London; and at Evesham, in the County of Worcester, was dissolved on May 10, 1909. Mr. Alfred Watkins will continue the business alone as Watkins & Simpson in the same manner as heretofore.

Mr. C. D. McKay has entered the service of Messrs. Cooper, Taber & Co., Ltd., seed merchants, 90 and 92 Southwark street, London, S. E., in which firm he has obtained shares.—Gardeners' Chronicle.

PUBLICATION RECEIVED.

Field Notes on Sweet Peas, with Appendix.—Published by C. C. Morse & Co., San Francisco, Cal. Edited by Lester L. Morse. The last issue of Field Notes was in 1907. The present edition is identical, but with the addition of eight pages in which are described the new varieties tried and personally examined, of Sweet Peas introduced during the seasons of 1908 and 1909. There are no less than one hundred and fifty of these so-called new varieties, the greater part of which are classed by Mr. Morse as similar to or inferior to sorts already in commerce. The author promises an entirely new book possibly by next year and expresses the hope that the Sweet Pea Society will in the meantime undertake to decide upon and act as sponsor for an authorized list of names which shall be acceptable to the entire American seed trade.

The price of "Field Notes" is 50 cents. Copies can be supplied from the office of HORTICULTURE.

In the auction rooms of William Elliott & Sons, 42 Vesey street, New York, they are moving large stocks of foliage and bulbous stock twice weekly. This medium of disposing of surpluses seems to increase yearly.

ROBERT J. DYSART Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

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MICHELL'S RELIABLE SEEDS

Michell's Giant Cyclamen

Grown for us in England by a leading specialist, and cannot be excelled for size and brilliancy of coloring.

Duke of Connaught, crimson....	\$1.25	\$10.00
Excelator, white with red eye.....	1.25	10.00
Grandiflora Alba, pure white....	1.25	10.00
Princess of Wales, deep pink....	1.25	10.00
Salmon Queen, salmon rose.....	1.25	10.00
Mixed	1.00	9.00

Mignonette

Michell's Colossal

An extra fine strain; produces immense spikes. Seeds saved in greenhouse from selected spikes.

Trade packet, 40c; \$3.00 per oz.

Our Latest Wholesale Catalogue for the Asking

Henry F. Michell Co., 1018 Market Street Phila.

Two Valuable Seed Novelties

Do not fail to include in your next catalogue

HOLMES' DELICIOUS SWEET CORN and HOLMES' GREEN PROLIFIC POLE LIMA

Two of the greatest acquisitions ever offered. See our full page advertisement in Horticulture of Sept. 18th for descriptions and illustrations. Liberal terms to the trade. Write at once before our limited surplus is all engaged.

HOLMES SEED CO., Harrisburg, Pa.

Increase your Income HOW?

GROW MUSHROOMS

Write For Our Treatise How to
Grow Them, FREE.

W. ELLIOTT & SONS,
NEW YORK

ORDER NOW French and Dutch Bulbs FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on
application.

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

CABBAGE PARSLEY LETTUCE

Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.
Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.

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White Marsh, Md.

Cauliflowers CABBAGE LILY OF THE VALLEY PIPS.

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Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
12 W. Broadway, New York

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Bulbs

Paper White Narcissus
and all other DUTCH BULBS
of High Grade.

A few LILIAM HARRISII "7/5" left at
\$37.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

In ordering goods please add "I saw
it in HORTICUTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

SINGLE LATE MAY-FLOWERING or DECORATION DAY TULIPS

These are exceptionally useful flowers for Decoration Day, and every florist should plant out a few. Once planted, they will remain for years and serve you with a wealth of bloom.

	100	1000
Beauty of America. Creamy white, turning pink...	\$1 00	\$8 00
Bizarres. Handsome, rich flowers, with yellow ground; finest mixed.	75	6 00
Bouton d'Or. Deep golden yellow; very handsome flowers	85	7 50
Bridesmaid. Lovely soft pink	85	7 50
Bybloems (Roses). White ground, blotched, striped or feathered with lilac	85	7 50
Bybloems (Violets). White ground, striped and blotched purple and blue	90	8 00
Darwin. Very large flowers. They include every known shade	85	7 50
Golden Crown. Large, bright yellow	1 00	7 50
Gesneriana, Scarlet (true). Largest and handsomest of all Tulips; fine for Decoration Day	1 25	10 00
Macrospeila. Crimson-scarlet, black center	85	7 50
Isabella (Shandon Bells). Carmine-rose, shaded creamy white	1 00	9 00
Maiden's Blush, or Picotee. Clear white, margined on the edge with pink, pointed and reflexed petals; most beautiful	90	8 00

PARROT, or DRAGON TULIPS

Parrot Tulips should be more largely grown. Their odd colors and fantastic shades make them ready sellers, and make a unique decoration when placed in vases or low bowls.

	100	1000
Admiral de Constantinople. Large; red, yellow edge	\$0 85	\$7 50
Cramoisie Brillante. Rich blood-crimson, with bluish markings	85	7 50
Lutea major. Large, showy yellow	75	7 00
Markgraaf von Baden. Red and yellow, orange inside; very showy	1 00	9 00
Perfecta. Yellow, striped red	85	7 50
Superfine Mixed Parrot Tulips	75	6 00



ARTHUR T. BODDINGTON, SEEDSMAN

342 W. 14th Street, New York City, N. Y.

CYCLAMEN

NEW CROP

FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, claret base
Pink with
claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

CYCLAMEN SEED

Especially grown for us in England. A superb, large flowering strain in 10 separate colors.

100 seeds, \$1.00; 1000 seeds, \$8.00

H. E. FISKE SEED CO.
Faneuil Hall Square
BOSTON, - - MASS.

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

LEONARD SEED CO.

CONTRACT CROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS 79 and 81 **CHICAGO**
FLOWER SEEDS Get Our Prices E. KINZIE STREET,

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WHOLESALE SEED GROWERS

Onion, Lettuce, Sweet Peas and other California Specialties

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 100 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00 For larger quantities, special quotation.

O. V. ZANCEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

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32 South Market Street, Boston, Mass.

FRENCH AND DUTCH BULBS

Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

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26 & 27 So. Market St., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

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JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

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SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, MO.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

Joliet, Ill.—C. W. Shepherd Company is the name of the purchaser of the retail business of the Chicago Carnation Company and not J. W. Shepard as stated in our notes of Oct. 2.

Baltimore, Md.—Zimmerman & Hildebrecht have dissolved partnership. Mr. Zimmerman has opened a place on Monument street, and Mr. Hildebrecht continues at the old location, Fayette street.

Washington—Z. D. Blackstone observed the 12th anniversary of his establishment in the florist trade, October 13, and presented bouquets to the 3000 people who called at his store at H and 14th streets.

STEAMER DEPARTURES

Allan Line.

Parisian, Boston-Glasgow...Oct. 29

American.

Philadelphia, N. Y.-S'ampton...Oct. 30

Atlantic Transport.

Minnewaska, N. Y.-London...Oct. 30

Cunard.

Lusitania, N. Y.-Liverpool...Oct. 27

Saxonia, Boston-Liverpool...Nov. 2

French Line.

Provence, N. Y.-Havre...Oct. 23

Hamburg-American.

Pres. Lincoln, N. Y.-Hamburg...Oct. 27

Cincinnati, N. Y.-Hamburg...Oct. 30

Leyland Line.

Winifredian, Boston-Liv'pool...Oct. 27

North German Lloyd.

Kais. Wil. II., N. Y.-Bremen...Oct. 26

Pr. Fred. Wil., N. Y.-Bremen...Oct. 28

White Star.

Oceanic, N. Y.-S'hampton...Oct. 27

Cedric, N. Y.-Liverpool...Oct. 30

Canada, Montreal-Liverpool...Oct. 30

Brookline, Mass.—The florist shop of J. W. Howard at 1353 Beacon street is now under the management of Mrs. Merrill, who was for a long time known to patrons of C. P. Grimmer, Boston, by her maiden name of Miss Lavine.

Among the news notes from New York this week are announcements that Mr. Sharkey, formerly with Thos. Young, Jr., is about to open a store on East 28th street, near Fourth avenue; that Mr. Myer, formerly at War-endorff's Madison avenue store, has taken the old Hoffmeier store at Broadway and 83rd street, and that Mr. Peterson, recently with Fleischman, takes Mr. Myer's place at War-endorff's.

Roy E. Erb, who has been connected with the Carlisle Nurseries, Carlisle, Pa., for the past three years as manager, will open a flower store (Carlisle's first) under the title of the Roselyn Flower Shop, about the middle of November in the new McCullough building, next to the theatre. The store will be a thing of beauty—cases, refrigerators and finish being entirely in mission oak. Next spring Mr. Erb will build a range of greenhouses, about 3000 feet, on land recently purchased near Cave Hill Park.



ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention

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Deliver orders from any part of the country to
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Telephone 1542-1543 Columbus

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In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

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42 West 28 St., NEW YORK

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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

For Ste. mers sailing from Montreal and Quebec
Order by Mail or Telegraph from



MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Just What You Have Been Looking For!

Laurel, Cedar, Pine and Autumn
Vines, 3 ft. high, \$1.00 up.

Laurel, Cedar, Pine and Autumn
Branches for all decorations,
50c. up.

Rustic Cedar Bark, 100 sq. ft.,
\$.25 in b'd'ls.

Grape Vine, per coil, \$2.00.

Cedar Post and Poles, per ft.,
3c. up.

Loose Laurel, per bbl., \$1.00.

Pine Cones on branches, per
bbl., \$1.50.

Green, Sheet and Sphagnum
Moss, also Jersey Peat at Mar-
ket Prices.

Mapes' Rustic Works

CLAYTON, - - N. J.

BELL 'PHONE, 29 L

NEW FLOWER STORES.

Lexington, Ky.—J. A. Keller, West
Main street.

Reno, Neb.—Fred Fisher, Wigwam
Theatre Bldg.

St. Louis, Mo.—Easton Florists, 4845
Easton avenue.

St. Louis, Mo.—Mrs. M. L. Stewart,
Planters' Hotel.

Rochester, N. Y.—Rochester Floral
Co., under management of R. W. Wil-
son, Main street.

Hoboken, N. J.—M. Hendberg, 415
Washington street.

Brooklyn, N. Y.—Arthur The Flor-
ist, 136 Court street.

Houston, Tex.—R. C. Kerr, branch
store, 2417 Travis St.

Great Falls, Mont.—Great Falls
Floral Co., 12 Fifth street.

Stroudsburg, Pa.—Paul Mader,
branch store, Wintermute Building.

MATTHEWS The Florist DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant deliv-
ery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

FLORISTS' BARGAIN SALES.

A paper read before the Buffalo Florists'
Club by W. A. Adams.

Bargain sales to the florist of today
is a very serious question and all
cities cannot answer it as possibly we
do in Buffalo as to the effect it has
on the business at other times.

Do bargain sales injure the busi-
ness? I will say No, if conducted as
they should be. They are in many
cases a blessing, if the goods offered
are fresh, of good quality, and at a
price lower than they are ordinarily
sold at, so that the average person
who has any idea of flowers knows
that it is a bargain. In this way you
encourage the sale of flowers, educate
the people to the fact that flowers
are always appreciated and lend a
tone of refinement to the home, or
wherever sent, and enable one to en-
joy one of God's greatest gifts to the
world.

What are the reasons for bargain
sales? They are many, but the most
important one is to force business in
a quiet time; to get rid of a surplus
stock in many instances, and to get
the people to come to your place of
business, as when buying a bargain
flower they often see something else
that they want, which you sell at a
good profit.

I do not say that in every case you
sell the surplus you have in your
store; nor do I say that the man who
grows his own stock can sell it at all
times at a low price because he has
a large supply, for if he is running his
place systematically, as every grower
should do, he has to charge the store
with what the greenhouse sends him,
and in many instances, with coal at
\$6.00 per ton and wages at the pre-
vailing scale, he would find that one
place or the other had a leak some-
where.

Bargain sales are not always run by
stores that have greenhouses of their
own, but in more instances by those
who are patrons of the wholesale deal-
er, who, in his suave and tempting
way inveigles you into buying his sur-
plus stock.

But remember, when you are selling
this same stock in your store, you
have several things in your favor:
First, you know who has it; second,
you know what price you want to sell
it at; third, should you get a big or-
der you have the goods and the sale
can cease; fourth, when you are sell-
ing at a bargain, you have the satis-
faction of knowing that a reputable
store is back of the sale and not a
systematic delegation of street sellers
who go to the wholesaler, buy the
goods and walk back and forward in
front of your place, selling the self-
same perishable article as you could
have done had you wanted to. One
thing alone in its favor in Buffalo is,
that we have kept the street vender
away.

Remember when I speak of the good
effects of a bargain sale on the prop-
rietor, I have not forgotten the sales-
man who has many sarcastic remarks
thrust at him by some buyers regard-
ing the quality, freshness, etc., of the
flowers, doubting his veracity when, in
his amiable way (as all employed in
Buffalo are amiable), he says that the
flowers are strictly fresh and as good as
sold any day at double the price or
more, as the case may be. They then ask
to have them in a box and delivered,
or arranged in a bunch, and they get

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply
dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always
in Stock

very much offended if you do not
comply with any or all of their de-
mands. The same people will get up
early in the morning, chase down to
a dry-goods store, crowd in and wait
their turn to get a tie, pair of shoes,
sweater, or some other articles at a
reduction of four cents, with a big
newspaper "ad" saying: "No Charg-
ing, No Approval, No. C. O. D. or
Telephone Orders—but will Deliver,"
and they have had their tempers ruf-
fled far more than they ever had in
a flower store, and still get the flowers
at less than half price. This is where
the salesman's patience and temper
are tried. Although it is hard, I do
not think very many people have rea-
son to complain of inattention, when
the number of customers is taken into
consideration. Salesmen in flower
shops are far above the average.

In conclusion, I am of the opinion,
as stated in my opening remarks, that
when stock is plentiful, quality good
and prices right, a bargain sale along
these lines will be a benefit to the
public and to the florist, as an edu-
cator in the way of getting more peo-
ple to love flowers, and at the same
time bring business to your store.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1708
Broadway.
Washington, D.C.—Gude Bros., 1214 F. St.
Chicago—Hauswirth, "The Florist," 232
Michigan Ave.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59
Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boyl-
ston St.
Boston—Hoffman, Florist, 59-61 Massa-
chusetts av.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Talby.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071
Broadway.
Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.
Albany, N. Y.—F. A. Danker, 40 Maiden
Lane.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th
St.
New York—M. A. Rowe, 1294 Broadway.
Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St.
Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

MUMS

\$10.00-\$25.00 per 100

All the best commercial varieties on the market. We are headquarters for Mums. You will find here the best values.

CATTLEYAS

\$6 00 per dozen. \$40.00 per 100

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

HOERBER BROS.

51 Wabash Ave. Long Distance Phone
CHICAGO ILL. Randolph 2758

Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

Easter Lilies

Choice Stock. \$1.50 per dozen.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 19		Oct. 18		Oct. 19		Oct. 21	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00	12.00	to 20.00
" Extra	15.00	to 20.00	15.00	to 25.00	12.50	to 15.00	8.00	to 10.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00	4.00	to 6.00
" Lower grades.....	5.00	to 10.00	6.00	to 10.00	4.00	to 6.00	2.00	to 3.00
Bride, 'Maid, Chateauy, F. & S.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	2.00	to 5.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 4.00	.25	to 1.00
Killarney, Fan, & Sp.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	1.00	to 6.00
" Lower grades.....	2.00	to 4.00	3.00	to 6.00	3.00	to 4.00	.25	to 1.00
Richmond, Fancy & Special.....	5.00	to 8.00	6.00	to 7.00	8.00	to 10.00	2.00	to 6.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 6.00	.50	to 1.00
My Maryland, Kaiserin.....	5.00	to 10.00	4.00	to 8.00	3.00	to 8.00	.50	to 6.00
CARNATIONS								
.....	2.50	to 3.00	2.00	to 2.50	1.50	to 2.00	1.50	to 2.00
" Lower grades.....	2.00	to 2.50	1.50	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Chrysanthemums	10.00	to 20.00	10.00	to 12.00	8.00	to 10.00	8.00	to 12.00
Violets		to .50	.50	to .75	.50	to .75	.25	to .50
Cattleyas	60.00	to 75.00	40.00	to 60.00	35.00	to 40.00	20.00	to 30.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	10.00	to 12.50	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Mignonette		to .50		to .50		to .50	.50	to 1.00
Gardenias	30.00	to 50.00	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00
Adiantum		to 1.00	.75	to 1.00	1.00	to 1.50	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 15.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100) ..	40.00	to 60.00	35.00	to 50.00	40.00	to 50.00	25.00	to 50.00
" " " & Spreng. (100 bchs.) ..	25.00	to 30.00	25.00	to 35.00	25.00	to 40.00	15.00	to 25.00

Henry M. Robinson J. Margolis Chas. Robinson

HENRY M. ROBINSON & CO.

WHOLESALE COMMISSION DEALERS IN
CUT FLOWERS—FLORISTS' SUPPLIES
AND HARDY CUT EVERGREENS

15 PROVINCE ST., 9 CHAPMAN PLACE

Long Distance Telephone 2617-2618 MAIN BOSTON, MASS.

BUSINESS CHANGES.

N. Milwaukee, Wis.—Mrs. Mary Volk has purchased the greenhouse establishment of F. Escau.

Bloomington, Ill.—R. M. Dale has purchased the business and greenhouses of A. R. Knowles in this city.

Rochester, N. Y.—J. O. Pridmore has retired from the florist business and his place on Cottage street has been taken over by E. R. Fry.

Westfield, N. Y.—Alfred G. Woodhouse succeeds Gus Schoenfeldt, who

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

after 26 years in the greenhouse business, has now decided to retire.

New York—A. J. Guttman and M. Kempner have dissolved partnership and the wholesale flower business on West 28th street, will be conducted hereafter by Mr. Guttman alone.

H. M. Robinson & Co., wholesale florists, Boston, have transferred their fern and greens department to the basement floor, leaving the entire street floor for their cut flower business.



Some Specials for Halloween Week

\$10.00 Box of Roses

500 of the best No. 2's, our selection, at \$2.00 per hundred. A trial shipment will convince you of the splendid value.

BEAUTIES

SPECIAL \$30.00	FANCY \$25.00	EXTRA \$15.00	1ST \$10.00	2ND \$8.00
--------------------	------------------	------------------	----------------	---------------

MARYLAND, WHITE and PINK KILLARNEY

Some extra choice long stemmed.

FANCY \$8.00	EXTRA \$6.00	1ST \$5.00	2ND \$3.00
-----------------	-----------------	---------------	---------------

VALLEY

SPECIAL \$5.00	EXTRA \$4.00	NO. 1 \$3.00
-------------------	-----------------	-----------------

GARDENIAS

Per dozen, \$3.00. Very Choice.
Special Rates on Season Contracts.

CATTLEYAS

Per dozen, \$6.00. \$40.00 per 100.

CARNATIONS

SPECIALS \$3.00	FANCIES \$2.00, \$2.50	FIRSTS \$1.50
--------------------	---------------------------	------------------

In lots of 500 or more, good quality, our selection at \$2.00 per hundred.

CHRYSANTHEMUMS

Pink, White and Yellow, quality that makes these prices unusual.

FANCY	\$2.00	\$3.00 per doz.
MEDIUM	1.25	1.50 " "
SMALL	5.00	8.00 " 100



CEDAR BARK

For covering tubs, window-boxes or rustic effects of any kind. Good, clean strips, free of holes, in bundles of about twenty square feet:
\$1.00 per bundle, 25 or more 75c. per bundle.

Open from 7 A.M. to 6 P.M.

S. S. PENNOCK-MEEHAN CO. The Wholesale Florists Philadelphia

1608-1620 Ludlow St. Store closes 6 p.m. Washington Store, 1212 N. Y. Ave

Flower Market Reports.

BOSTON

The market is badly shattered here for the time being and considering

the way in which all kinds of stock is coming in the prospects for immediate improvement are not particularly rosy. All varieties of roses are accumulating in wholesalers' hands and are unloaded with difficulty, the question of prices having very little influence in effecting a sale. They are simply not wanted. The out-of-town buyer has his own crop on in sufficient quantity to make him independent of the Boston market at least while the good growing weather continues. The first frost worth mentioning came on the night of October 19. It settled the dahlias and other soft material, which had up to that time been untouched, but no influence was felt in the flower market which was already sagging under its burden of indoor products. Orchids, gardenias, lily of the valley and other material usually classed as choice and desirable are in the same predicament as their plebeian associates and must sit on the "anxious seat" in company with the chrysanthemum, violet and carnation until things start up again.

Heavy rains, snow and sleet for nearly the whole week, have made business very unsatisfactory to all in the trade. The florists' windows are

decorated in autumn attire, chrysanthemums and autumn foliage, and all are in readiness for any rush of business. Chrysanthemums are coming in

(Continued on page 585)

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Oct. 18	DETROIT Oct. 17	BUFFALO Oct. 19	PITTSBURG Oct. 19
ROSES				
Am. Beauty, Fan, and Sp.	12.00 to 15.00	30.00 to 35.00	20.00 to 25.00	20.00 to 25.00
Extra	10.00 to 12.00	25.00 to 30.00	15.00 to 20.00	12.50 to 15.00
No. 1	8.00 to 10.00	18.00 to 22.00	6.00 to 8.00	8.00 to 10.00
Lower grades	6.00 to 8.00	4.00 to 6.00	2.00 to 6.00	3.00 to 5.00
Bride, 'Maid, Chateaux, F. & S.	6.00 to 8.00	4.00 to 6.00	..... to 8.00	6.00 to 8.00
Low. gr.	4.00 to 6.00	3.00 to 4.00	2.00 to 6.00	2.00 to 4.00
Killarney, Fan, & Sp.	6.00 to 8.00	4.00 to 6.00	..... to 8.00	6.00 to 10.00
Lower grades	4.00 to 6.00	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00
Richmond, Fancy & Special	6.00 to 8.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
Lower grades	4.00 to 6.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00
My Maryland, Kaiserin	4.00 to 8.00	4.00 to 6.00	3.00 to 8.00	3.00 to 8.00
CARNATIONS				
	3.00 to 4.00	1.00 to 3.00	1.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Chrysanthemums	8.00 to 15.00	12.50 to 25.00	8.00 to 25.00	4.00 to 12.00
Violets	.25 to .50	.50 to .60	.50 to .60	.50 to .75
Cattleyas	40.00 to 50.00	30.00 to 50.00	..... to 75.00	50.00 to 75.00
Lilies	15.00 to 20.00	12.50 to 15.00	10.00 to 15.00	..... to 10.00
Lily of the Valley	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Mignonette	..... to 1.00	..... to 1.00	1.00 to 1.50	..... to 1.00
Gardenias	..... to 25.00	25.00 to 35.00	..... to 25.00	..... to 25.00
Adiantum	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.00 to 1.50
Smilax	12.00 to 20.00	15.00 to 20.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	35.00 to 50.00	30.00 to 50.00	25.00 to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	20.00 to 25.00	30.00 to 50.00	25.00 to 50.00	..... to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of ALL CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626 4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.
 Tel. 1462 Madison Square New York
 1463

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.
CUT FLOWERS WHOLESALE
 Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.
 Tel. 5243 and 2921 Madison Square.

JOHN YOUNG

WHOLESALE FLORIST
 Finest American Beauties and
 Carnations

51 West 28 St. - NEW YORK
FRANK MILLANG
Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

**Greater New York
Florists' Association,**

Inc.
 Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street.
 Telephone No. 759
 Madison Square New York

MILLANG BROS.

WHOLESALE FLORISTS
 41 West Twenty-Eighth Street
 Phones 3860
 3861 Madison Sq. NEW YORK

JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
 39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 CARNATIONS, DAISIES, ROSES AND CARNATIONS
 Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending Oct. 16 1909		First Half of Week beginning Oct. 18 1909	
ROSES AND CARNATIONS				
American Beauty, Fancy and Special.....	11.00	to 15.00	12.00	to 20.00
" " Extra.....	8.00	to 12.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Bride, 'Field, Golden Gate, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
 PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut
 Cypas and Palmetto.
 Tel. 1519
 5893 Mad. Sq. 113 W. 28 St., New York.

Durand & Marohn

MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

ROSENS

48 W. 29th Street, New York City
 Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
 GALAX, bronze and green, fresh crop,
 \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
 SPRAYS, 75c, 100. GREEN SHEET
 MOSS, \$2.00 large bag.

REED & KELLER

122 West 25th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Requisites

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

Each spool of the

MEYER GREEN SILKALINE

contains full two ounces of thread

WEIGH UP YOUR SPOOLS and see that you get
full weight. For sale by all reliable houses.

John C. Meyer & Co., Boston and
Lowell, Mass.



**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

\$2,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 583)

more abundantly; Robt. Halliday and
Touset have been added to the list.
Violets have been a little weak in
demand, but lily of the valley is sell-
ing well. Beauties are of fine quality,
also White Killarney. My Maryland
is the leader in pink, though excellent
pink Killarneys are seen; also Brides-
maids. The call for Perles is increas-
ing daily and some excellent stock in
yellow are to be had. The scarce arti-
cle is still the fancy carnation and
not enough can be had at a time.
Gladioli, dahlias, cosmos and asters
were still on the list and the cemetery
florist on the lookout for this material.
Dahlias have been exceptionally good
this fall and such varieties as Jack
Rose, Sylvia, Arabella and Kreimhilde
have sold well.

More flowers is the cry
CHICAGO of the wholesalers. The
supply is apparently
shorter each day and the market shows
more bare tables than usually con-

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for
the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 16 1909		First Half of Week beginning Oct. 18 1909	
Cattleyas.....	20.00	to 35.00	20.00	to 35.00
Lilies.....	4.00	to 6.00	4.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	2.00	to 4.00
Chrysanthemums.....	8.00	to 15.00	8.00	to 15.00
Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	50	to .75	.50	to .75
SmMax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprea. (too bcha).....	12.00	to 20.00	12.00	to 20.00

fronts the retailer when he seeks his
stock. Carnations are gone as soon as
unpacked and a trip through the mar-
ket at noon reveals the fact that car-
nations are not to be had at any price.
The weather, that never-failing scape-
goat, is said to be the cause of the
scarcity, notwithstanding the fact that
Chicago has had all kinds of weather
during the past three weeks. Chrysan-
themums are coming in satisfactorily
and a fair number of varieties are now
in bloom. Of roses there are enough
to go around, but nothing in excess.
Beauties are on long stems, many fully
40 inches and there are also short and
mediums in sufficient supply to fill all
ordinary demands.

Local business condi-
DETROIT tions are up to the Oc-
tober standard. The
shortage of carnations is becoming
very irksome. Chrysanthemums also
are coming in slower than the de-
mand for them. Prices are about the
same, but another week will see a
material increase. Most of the down-
town stores have frequent call for
table decorations, as there are also
some bookings for weddings and balls
for December. It all helps to bring us
back to an activity such as we all
enjoyed during the season before last.

Improved weather
NEW YORK conditions resulting
in the elimination of
outdoor products and in the advance-

ment of quality on greenhouse-grown
material, have helped the situation
here very materially. Demand is no
better than it was last week, but there
is an occasional spurt on one line or
another which is encouraging as point-
ing to the time near at hand when
the spurt will be sustained long
enough to bring market values to a
uniform and generally profitable stan-
dard. There is no scarcity of any-
thing. Orchids, violets, roses, carna-
tions, chrysanthemums, lilies, lily of
the valley—all are obtainable in any
quantity and in quality which no one
can reasonably find fault with. Roses
move very reluctantly and carnations
have lapsed badly in demand. There
is in fact, a surplus on all lines and
so long as it continues stable market
values are out of the question.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA,
N. C.

CUT FLOWER BOXES

Quality Right. Prompt Delivery
Prices Right

Bangor Box Co., Bangor, Me.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots,
\$2.50 per 100; \$22.50 per 1000. Cash with
order, please. Floral Hill Gardens, G. F.
Neipp, Prop., Chatham, N. J.
Asparagus Sprenger, 2 1/2 in. pots, strong
plants, \$2.50 per 100. Virginia Nursery
Co., Purcellville, Va.
Asparagus Sprenger, 2 in., 2c. Ham-
merschmidt & Clark, Medina, O.
Asparagus Sprenger, strong, 2-in., 2c.
H. Klahr, Schoharie, N. Y.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes,
Pyramid and Standards. Write for list.
Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
G. Aschmann, 1012 W. Ontario St., Phila-
delphia, Pa.
For page see List of Advertisers.
E. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
J. C. Schmidt, Bristol, Pa.
For page see List of Advertisers.

BEGONIAS

Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.
For page see List of Advertisers.
Rex Begonias. A fine assortment of 12
named varieties from 2 1/2 in. pots, strong
plants, \$4.00 per 100. Virginia Nursery
Co., Purcellville, Va.
Rex begonia, 2-in., strong, 3c. J. H.
Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for
50 cents, postpaid, by HORTICULTURE
PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
Dutch and French Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St.,
New York.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
H. E. Michell Co., Philadelphia.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
Bermuda Lilies.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway,
New York.
Lily Bulbs, Horseshoe Brand.
For page see List of Advertisers.
Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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S. S. Pennock-Meehan Co., Philadelphia.
Field Grown Carnation Plants.
For page see List of Advertisers.
S. J. Reuter & Son, Westery, R. I.
Field Grown Carnations.
For page see List of Advertisers.
Skidelsky & Irwin Co., 1215 Betz Bldg.,
Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
For page see List of Advertisers.
H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
For page see List of Advertisers.
Baur & Smith, Indianapolis, Ind.
Patten & Co., Tewksbury, Mass.
Carnation Shasta.
For page see List of Advertisers.
A. C. Brown, Springfield, Ill.
Carnation Sangamo.
For page see List of Advertisers.

UNUSUALLY FINE STOCK.
White Enchantress, \$80 per 1000; R. P.
Enchantress, \$50 per 1000. Satisfaction
guaranteed. Cash, or C. O. D. A. J.
Stahelin, Redford, Mich.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CEDAR BARK

S. S. Pennock-Meehan Co.,
Philadelphia, Pa.
For Covering Window Boxes.
For page see List of Advertisers.

CARNATION SUPPORTS

Elmer D. Smith & Co., Adrian, Mich.
Double Arch Carnation Supports.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

Herrington's book on the Chrysanthe-
mum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

25,000 stock plants Golden Glow, Octo-
ber Frost, \$25 per 1000, to clear benches.
I. M. Rayner, Greenport, N. Y.

CINERARIAS

Cinerarias, extra fine, 3 in., \$4.00 per 100.
Wettlin Floral Co., Hornell, N. Y.

CONIFERS

John Waterer & Sons, Ltd., American
Nursery, Bagshot, Eng.
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Bangor Box Co., Bangor, Me.
For page see List of Advertisers.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more received during October we
will pay the freight east of the Mississippi.
All orders west of the river, we pay to the
river. Samples of stock and prices on re-
quest. Climax Manufacturing Co., Castor-
land, N. Y. Dept. H.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen giganteum, mixed, 2-in., 8c.
H. Klahr, Schoharie, N. Y.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.
Herbert, Atco, N. J.
For page see List of Advertisers.

Willmore's Dahlia Manual will be mailed
for twenty-five cents by HORTICULTURE
PUBLISHING COMPANY, 11 Hamilton
Place, Boston.

DAISIES

Queen Alexandra Daisies, rooted cuttings,
\$1.00 per 100. Shasta Daisy Alaska, large
field clumps, 8c. O. C. Day, 27 High St.,
Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.
Imported Plants for Fall Delivery.
For page see List of Advertisers.
Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Frank Oechsliu, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
Godfrey Aschmann, 1012 W. Ontario St.,
Philadelphia.
For page see List of Advertisers.
The F. R. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegantiissima Compacta.
A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
Fairyleense.
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Ferns. Boston, 2½-in., 3½c.; \$30.00 1000;
3-in., strong, \$9.00 100; 4-in., strong, \$15.00
100. Whitmani, 2½-in., 3c., \$25.00 1000; 4-
in., \$15.00 100. Nephrolepis davallioides
furcans, the fish tail fern, fine stock, 2½-
in., 4c.; 4-in., \$15.00 100. Dwarf ferns for
fern dishes, 6 best sorts, in fine condition,
2c.; \$18.00 1000. The Good & Reese Co.,
Springfield, Ohio.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

German Kali Works, 93 Nassau St., New
York, N. Y.
Potash.
Wm. Elliott & Sons, 42 Vesey St.,
New York.
Thompson's Manures.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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lyn, N. Y.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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Rosen, 48 West 29th St., New York City.
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Rustic Vines, Branches, Bark, Etc.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad
way, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.
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Green galax, new crop, fresh from the
woods, 50c. per 1000; \$4.00 per case of
10,000. Dagger ferns, 75c. 1000. The kind
you want. Cash with order. Woodruff &
Son, Lowgap, N. C.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Geraniums, Nutt, \$12.50 per 1000; Ricard,
Poitevine, \$15. A. M. Herr, Lancaster, Pa.
Geranium—Rooted cuttings S. A. Nutt
and Beaute Poitevine, \$1.25 per 100; \$10.00
per 1000. Dagger ferns, 75c. 1000. The kind
you want. Write for prices on large
quantities. See vinca ad. A. L. Munk, Mt.
Gilead, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

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Lord & Burnham Co.,
1133 Broadway, New York.
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King Construction Co., N. Tonawanda,
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Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave.,
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.
Foley Mfg. Co., Western Ave., between
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip
gutter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYACINTHS

James Vick's Sons, Rochester, N. Y.
Double Hyacinths Special.
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HYDRANGEAS.

American Everblooming Hydrangea (H.
Arborescens Grandiflora alba), heavy two-
year plants for agents' use. Peonia Fos-
tiva Maxima and Queen Victoria, low per
1000. One hundred other choice varieties
of Peonias at low prices. The E. Y. Teas
Co., Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
New York.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Aphine.
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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

Iris, all types. Very select list. C.
Betscher, Canal Dover, O.

In writing to Advertisers kindly mention Horticulture

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILACS

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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MASTICA

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Kentucky Tobacco Product Co., Louisville, Ky.
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W. & T. Smith Co., Geneva, N. Y.
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Boblink & Atkins, Rutherford, N. J.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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C. R. Burr & Co., Manchester, Conn.
California Privet: Berberry Thunbergii.
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J. J. McManmon, Nurseryman, Lowell, Mass.
Shrubs and Specimen Evergreens.
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F. E. Conine Nursery Co., Stratford, Conn.
Norway Spruce, Hemlock, Arbor Vitae, Pines.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

Shade and Fruit Trees, Hedge, Berry Plants, Asparagus Roots, Rhubarb. Kentucky Nursery Co., Louisville, Ky.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordonez Bros., Madison, N. J., Box 105.
C. Lablata: D. Biglbium Arrived.
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Stuart Low & Co., Bush Hill Park, Enfield, Eng.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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ORCHID PLANTS—Continued

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
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A. N. Pierson, Cromwell, Conn.
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PANSY PLANTS.

Aug. Zirngiebel, S. Norwich, N. Y.
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BROWN'S PANSIES.

Extra select, superb giant, mixed pansy plants, \$2.50 per 1000; \$20.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

The KENILWORTH STRAIN of giant pansies, strong plants, 1000: \$3.00; 100 prepaid, 50c. RAINBOW blend contain the latest introductions of giant pansies, 1000, \$2.50; 100 prepaid, 45c. Chas. Frost, Kenilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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S. G. Harris, Tarrytown, N. Y.
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Estate of David Fisher, Montvale, Mass.
Sunnyfield Nursery Co., Poughkeepsie, N. Y.
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Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfeld, Westpoint, Nebr.

Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, to color. Pink and rose, \$5.00 100, \$40.00 1000; red and white, \$6.00 100, \$50.00 1000; all colors mixed, \$4.00 100, \$30.00 1000. Send for list of named peonies; we are large growers. The Good & Reese Co., Springfield, Ohio.

PHLOXES

Henry A. Dreer, 714 Chestnut St., Phila.
Hardy Perennials.
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Old Town Nurseries, So. Natick, Mass.
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Sunnyfield Nursery Co., Poughkeepsie, N. Y.
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Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMROSES.

Primroses, Chinese, strong, 3-in., 3c. H. Klahr, Schoharie, N. Y.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenis.
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Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Ronsderfer, Lattmann Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 920 Prouty Ave., Toledo, O.

Primula, Chinese, finest fringed strains, 2½ and 3 in., \$3.50 per 100. Obconica, 2 in., \$2.50 per 100; 3 in., \$4.00 per 100. Wettlin Floral Co., Hornell, N. Y.

Primula Polyanthus, strong plants from field; can be divided, \$5.00 per 100; \$45.00 per 1000. H. Hansen, Malden, Mass.

Primula, Chinese, 2½ in., 2c.; 3 in., 4c. Obconica gigantea rosea, 2½ in., 2c. Extra fine. Hammerschmidt & Clark, Medina, O.

Primula obconica, 3 sorts, 2½-in. pots, 2½c.; \$20.00 1000. Primula, Chinese, 3 colors, 2½-in. pots 2½c.; \$22.50 1000. The Good & Reese Co., Springfield, Ohio.

PRIVET

Harrison's Nurseries, Berlin, Md.

Privet Hedge by the Mile.
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CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

RHODODENDRONS

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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Novelties in Roses.

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American Grown Roses.
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M. H. Walsh, Woods Hole, Mass.
Field Grown Roses for Forcing.

The Rose, by H. B. Ellwanger; mailed for \$1.80 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Roses. Send us your list to price. Catalogue free. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

RUBBERS

Rubbers, 12 to 15 in. high, \$3.00 doz., \$25.00 100; 15 to 20 in. high, \$4.00 doz., \$30.00 100. The Good & Reese Co., Springfield, Ohio.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
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Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.
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E. F. Winterson Co., Chicago.
Seeds for Plantsmen, Nurserymen, Seeds-men.
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O. V. Zangen, Hoboken, N. J.
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H. E. Fiske Seed Co., Boston.
Cyclamen Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, 2½-in., \$1.50 per 100. Cash with order. L. Menand, Albany, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bale; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
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STANDARD THERMOSTAT

Standard Thermometer Co., 65 Lester St., Boston.
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SULFUR BURNER

Benj. Dorrance, Dorranceton, Pa.

SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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TRITOMAS

Tritoma Pfitzerii, strong, 1-yr., field-grown, 5c.; \$45.00 1000. The Good & Reese Co., Springfield, Ohio.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

VINCAS

Vinca variegata, field-grown, medium strong, 2½c., \$20.00 1000; strong, \$35.00 1000. The Good & Reese Co., Springfield, Ohio.

Vinca Major Variegata and Vinca Major, fine clumps, large, \$4.00 per 100. See Geranium ad. A. L. Munk, Mt. Gilead, O.

Vinca rosea and alba, 2½ in., extra fine, \$1.75 per 100. Hammerschmidt & Clark, Medina, O.

VIOLETS.

Charles H. Green, Spencer, Mass.
Violets Field Grown.
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Field-grown Princess of Wales violet plants, \$3.00 per 100. Virginia Nursery Co., Purcellville, Va.

1200 strong field-grown Princess Violet plants, \$5.00 per 100; \$50 for the lot. H. Hansen, Malden, Mass.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost. Our specialty—100 assorted designs, \$10.00. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
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Peter Reinberg, 51 Wabash Ave., Chicago.
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WHOLESALE COMMISSION FLORISTS.

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During Recess

The visit of a dozen members and friends of the Astoria Florists' Bowling Club to W. H. Siebrecht's villa at Chappaqua, N. Y., last Sunday was replete with sensational incidents. The auto went on a strike after 33 miles had been traveled and in the time while waiting for another car an exciting ball game was indulged in. A glorious dinner at the farm and an uninterrupted trip home in the delightful October twilight rounded out a day which will doubtless furnish material for many an amusing reminiscence in years to come.

A Toast.

Given at visit of Astoria Florists' Bowling Club to Wm. H. Siebrecht at Chappaqua, N. Y., Oct. 17, 1909.

[No signature appears in copy, but the desire expressed to live a hundred years among the pies and chickens and eggs seems to fasten the authorship on our esteemed friend, J. Austin Shaw.]

Here's to the Chapple of Chappaqua;
Here's to his loving and lovable Frau;
Here's to his Kiddies, 1, 2, 3,
All of them look pretty good to me.
The better the day the better the deed;
Ours for the trip on our speeding steed,
Ours for the journey that beats the Dickens,
Ours for the land of the pie and chickens,
Ours for the place where harmony stays,
Ours for the eggs his pullet lays.
Health we drink to the Siebrechts all,
Papa and mamma and kiddies small,
Grandpa and babies and chauffeurs too.
Long may they live I say don't you?
Live on these glorious, healthful hills,
Where the air is pure and their beauty thrills;
Far enough from the wicked old town
Where the hustle and bustle just knocks one down;
Here, snug and cozy, near Nature's heart,
Far be the hour when this circle must part.
Really to me, sir, it now appears
I'd like to stay here a hundred years.
So you will if your wish comes true
And so we drink to the whole of you,
Grandpa and mamma and papa and all.
Long may it be ere the shadows fall.
May you grow younger and handsomer too—
If it is possible so to do,
Adding each day to your radiant health—
Adding each hour to your growing wealth.
And now to our lovable hostess and host
We drink long life, while we drink this toast.

The Chicago Bowling Club met Thursday evening and put in the usual hard work toward perfecting themselves in their team work. The totals of the three games bowled are as follows: "Orchids" vs. "Roses"—Orchids, 2100; Roses, 2082.

"Violets" vs. "Carnations"—Carnations, 1950; Violets, 1925.

Pretty well matched, it would seem.

Flower Market Reports

(Continued from page 585)

INDIANAPOLIS since last week changed somewhat

There is a marked increase in the shipments of cut flowers. Prices remain at a reasonable level, but a good advance is anticipated soon. The rose situation has improved considerably and high grade stock has shortened up. American Beauty and teas are fast getting into winter form. Chrysanthemums are coming in with a rush, white predominating. Carnations are showing signs of improvement and move well at good prices. Lilies are of excellent quality and find a ready market. Orchids are seen everywhere in abundance. Sweet peas have appeared but not in any quantity. The supply of lily of the valley is about equal to demand. The season for dahlias is over around this vicinity. There is a good market for all kinds of greens, Southern smilax especially being handled in large quantities. The demand for house plants has never been better at this season of the year. The Boston fern is more popular than ever, although fancy ferns are in good demand, also. Ficus pandurata is quite popular with the buyers of more expensive plants. Fern dish filling is quite a specialty with many of the retailers. While it takes a volume of this kind of business to run into money, still every little bit helps.

PHILADELPHIA 11th to 16th—a fair volume of

business with probably an aggregate increase, but this satisfactory condition was marred by the enormous influx of stock of all kinds, among which the principal offenders were cosmos and dahlias. The latter got their quietus on Wednesday and the wind-up of the week saw a much healthier tone. American Beauty roses took a little jump on Friday, caused by a shortening up of shipments. Killarneys and Marylands are improving very much in both flower and stem, and as they run now, are easily the leaders in their colors. Brides and Bridesmaids are only so so. Some very choice chrysanthemums are now arriving and the volume of shipments continues to increase. Among the best now are Virginia Poehlmann, Touset, Rosiere, Pacific Supreme, Croesus, and Harry Balsley. Carnations are improving in quality and quantity and moving off well. Double violets have made their appearance—Lady Campbell local and Marie Louise from outside points. In orchids there are plenty of good cattleyas and some nice spray varieties, such as vandas and oncidiums. Lily of the valley very good and about enough to go around. Gardenias also are good and are moving off in very fair shape. Greens, too, are plentiful.

WASHINGTON The first killing frost of the season has left but little

vegetation around Washington. Business is taking on its brisk fall pace and there is a good demand for all first-class flowers. Lily of the valley is scarce and in great demand for the many October brides. Carnations are fine now and coming in in good quantity.

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Obituary.

William Brown.

One of the old-time Philadelphia gardeners passed away on the 13th inst. at his residence, 47th street and City Line, Philadelphia. William Brown was gardener for many years on the Simpson estate at Merion, and for the past ten years has been forester in Fairmount Park. While he did not come forward prominently at exhibitions or florists' gatherings he was of a very genial and sociable disposition and belonged to many fraternal societies and was a Mason of high degree. A. Lincoln Brown, his eldest son (now located in Cleveland) was a famous Philadelphia bowler in days gone by and was well known in S. A. F. circles.

Lieut. Chaure.

It is with very deep regret that we record the death of this gallant young officer who met his death in the "Republique" dirigible disaster. He was the son of our old and esteemed friend M. Lucien Chaure, the editor of the *Moniteur d'Horticulture* of Paris. Lieut. Chaure entered the French Army at the age of 18 years and was an enthusiastic airship officer. His grandfather, Jean Chaure, was the founder and for many years editor of the journal referred to.

C. H. P.

Barney D. Scarff.

Barney D. Scarff, of Tippecanoe City, O., president of the Miami County Horticultural Society, was instantly killed by a Big Four train Friday morning, Oct. 8, at Brown's Crossing, near Troy.

Mr. Scarff was well known in Clark and Miami counties and for many years was more or less interested in the nursery business which at one time was quite an industry in the neighborhood of New Carlisle.

Mrs. Benjamin B. Smalley

Mrs. Zella E., wife of Mr. Benjamin B. Smalley, florist, Everett, Mass., passed away at a Boston hospital on October 16, after a few days' illness. Mrs. Smalley was a native of Cutler, Me. Besides her husband, she is survived by a daughter, Mrs. Ethel Simpson of Everett, and a son, Mr. B. J. Smalley of New York. Funeral services were held at her late home, 18 Franklin street, Everett, Wednesday afternoon.

Henry Reilly.

Henry Reilly, 35 years old, of Jersey City, N. J., who had been in the florist business in New York City, committed suicide on the night of October 11 by leaping from the viaduct on Riverside Drive over 129th street.

Mrs. Ellen Meads.

Mrs. Ellen Meads, wife of John Meads, florist, Flint Village, Mass., passed away at her home on Marsh street, October 13.

Andrew Ferguson.

Andrew Ferguson, for over thirty years a successful grower and in later years also a retailer in Detroit, Mich., died of Bright's disease last Sunday

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-filton Place, Boston.

HELP WANTED

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED experienced vegetable and flower seed packer to take charge of packing room. Must know the seed business. Give reference and salary wanted. Gurney Seed Company, Yankton, South Dakota.

MISCELLANEOUS WANTS

NOTICE TO ENGINEERS AND LAND-SCAPE GARDENERS.

San Antonio, Texas, Oct. 6, 1909.

The City of San Antonio invites competitive, suggestive plans for platting, designing and beautifying a new City Cemetery to be known as "Mission Cemetery."

Topographical maps of the tract of land upon which said cemetery is to be established can be seen in the office of the City Engineer.

A cash prize or premium of Five Hundred (\$500.00) Dollars is offered for the best and most acceptable plan, a cash prize or premium of Three Hundred (\$300.00) Dollars for the second best plan, a cash prize or premium of Two Hundred (\$200.00) Dollars for the third best plan for so platting, designing and beautifying said cemetery, which prizes above mentioned will be awarded upon the recommendation of the Mayor and the Cemetery Committee of the City Council, who reserve the right to reject any or all plans submitted, and whose decision as to the award of said prizes or premiums shall be final.

All plans for which prizes have been awarded become the property of the City of San Antonio.

All plans must be securely sealed, addressed to the "Cemetery Committee of the City Council, San Antonio, Texas," and be submitted on or before 11 A. M., January 6th, 1910.

BRYAN CALLAGHAN, Mayor.

Attest: FRED FRIED, City Clerk.

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

FOR SALE

FOR SALE—Special 18 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 90 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/4 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

morning. At the meeting of the Detroit Florist Club, Messrs. Sullivan, Porchelon and Danzer were appointed to draw up suitable resolutions and the club was requested to attend the funeral in a body.

INCORPORATED.

Fredonia, N. Y.—J. H. Larder Florist Co.

Granville, N. Y.—The Granville Nursery Co., capital \$5000, has been incorporated. Directors: John A. Farmer and John Farmer, of Granville, and Edgar B. Farmer of Quincy, Mass.

Indianapolis, Ind.—The Princeton Gardens, Princeton, O., have incorporated, capital stock \$25,000; nurserymen; incorporators, W. J. Ritter-skamp, L. A. Ritterskamp and J. T. Hannan.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting on Tuesday evening last, was well attended. Routine business pertaining to the annual exhibition of November 9th to 12th was transacted. The exhibits were early chrysanthemums. For six best flowers, any variety, 1st prize was taken by John W. Pepper, gardener Wm. Robertson, with variety Beatrice May, the flowers being the best ever exhibited at this time of year, with foliage clear up to the blooms. Second prize was taken by C. B. Newbold, gardener Sam'l Batchelor. For the best vase of double dahlias, Mrs. F. C. Penfield, gardener John McCleary, was first. For cosmos Lady Lenox, first prize went to John W. Pepper, for a grand vase of flowers, most of which were 3½ to 4 inches in diameter; the same exhibitor took first for a vase of mixed colors of giant flowering cosmos. Additional prizes for the November show were announced. Six foliage plants, six species, and specimen foliage plants, two prizes in each class; no limit to size of pots or tubs.

A very interesting discussion took place relative to recent tests made with the lime-sulphur spray in summer. It developed that a new era in spraying has arrived by the use of the self-boiled lime-sulphur wash, during the summer months, as a specific for the fungus diseases of the apple, and the brown rot, scab and bark borers of the peach. C. J. Benz, superintendent of the R. G. Wood estate, Conshohocken, Pa., took an active part in this discussion. He has this season marketed over 8,000 baskets of peaches from a ten-acre orchard.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Committee on Nominations of the Massachusetts Horticultural Society has posted at Horticultural hall, its list of nominations for officers for the Society for the ensuing year. The list is as follows: President, Gen. S. M. Weld; vice president, Walter Hunnewell; trustees, Wm. N. Craig, John K. M. L. Farquhar, Arthur F. Estabrook, Nathaniel T. Kidder; nominating committee, Duncan Finlayson, Dr. Charles S. Minot, Harry F. Hall, Herbert W. Rawson, Chas. H. Breck. In accordance with the by-laws two weeks are allowed for further nominations should there be any. The annual meeting of the Society for the election of officers will be held Nov. 13th.

WM. P. RICH, Secy.
Boston, Oct. 16, 1909.

DETROIT FLORIST CLUB.

The last meeting of this club was very animated. The subject of the evening, "What plants should be grown for Easter," stirred up many. The principal fact brought out was that too many Dutch bulbs are grown for Easter, while good pot plants such as ramblers, genistas, calceolarias, etc., are neglected.

On October 30 this club will visit the greenhouses of Elmer D. Smith & Co. at Adrian. November 4th has been chosen by the club for the annual visit to Mt. Clemens.

S. A. F. HEADQUARTERS AT CINCINNATI.

Editor HORTICULTURE:

Dear Sir:—I note in your issue of October 9th, a communication over the signature of Harry A. Bunyard, stating that "he had been wondering whether the failure to secure concessions from the railroads was due to the same influences that were responsible for the switching of the headquarters of the Society at Cincinnati, etc."

I was the "influence" which was responsible for selecting the headquarters, and assume that Mr. Bunyard knew such was the case. However, as many of your readers may not know this to be so, I make this statement so that all may understand.

Very truly yours,
W. N. RUDD.

BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION.

Saturday evening, 23rd inst., is the date set for the annual meeting of this Association at Young's Hotel, with the customary dinner accompaniment. The latter is in charge of William Nicholson, which is an assurance that it will be a stunner.

The order of business includes hearing and acting upon the reports of officers, election of officers for coming year, to decide whether the corporation will vote to sell any or all of its assets or will vote to liquidate or dissolve, etc. Should the latter course prevail, we presume the outcome will be the forming of a new corporation on a larger scale. The Association has had a most successful career.

CHRYSANthemum SOCIETY OF AMERICA.

Work of Examining Committee: Cincinnati, Oct. 9th, Unaka, pink Japanese, exhibited by Elmer P. Smith & Co., Adrian, 83 points.

At the meeting of the Society in New York, November 10th, papers will be presented by Mr. I. L. Powell, Millbrook, N. Y. David Fraser, Pittsburgh, Pa., and Edwin Jenkins, Lenox, Mass.

CHAS. W. JOHNSON,
Secretary.

AMERICAN CARNATION SOCIETY.

F. Dorner & Sons Co., Lafayette, Ind., register new carnation, Scarlet Glow. Seedling crosses—Color bright scarlet; size, 3 inches. Good free growing; makes well-shaped plants. Transplants easily. Early and free flowering and long stems. Keeping qualities exceptionally good.

A. F. J. BAUR, Secretary.

Some of the self-sufficient newspapers which expect the public to take stock in their views on the Cook-Peary tangle, the crisis in Spain, etc., are giving space and approval to a yarn about "a hustling young man" in Brookfield, Mass., who has "produced a cross between the cucumber and the orange." Now, what do you know about that?

CHICAGO NOTES. The Flower Show.

For the purpose of facilitating business connected with the coming flower show, November 2-8, an office has been opened in the Atlas Block, 51 Wabash avenue, room 416, with office hours from 10 a. m. to 2 p. m. Geo. Asmus is manager of the show and J. H. Burdett, secretary.

The meeting last Friday night for the furtherance of the arrangements for the show was well attended. It was decided to cut out the usual banquet and substitute for it a "stag." A good time is being planned for the entertainment of the ladies, which will be disclosed when completed. Ed. Enders was appointed chairman of this committee.

A committee on the flower booths was appointed, with E. F. Winterson, chairman. J. B. Deamud will head the cafe and restaurant committee.

Business and Personal Items.

H. R. Hughes is again before the people with a Halloween party in prospect. Invitations are out for about one hundred children, who will dance and be entertained in various ways. A new song, composed by Harry Newton and set to music by Felix Adler, will be rendered by an orchestra of ten pieces. The window is newly decorated with an old home scene in honor of the approaching Thanksgiving, in which a farm house with surroundings are the principal features.

J. F. Farrell is building a new conservatory in connection with his new store on State street, near 46th. It will be ready about November 1st.

Percy Jones, who has been on the gain as reported last week, has suffered a relapse and is now considered dangerously ill.

NEWS NOTES.

Nampa, Idaho.—The executive committee of the National Horticultural Congress that is to be held at Council Bluffs, Iowa, November 15 to 20, has chosen Honorable Silas Wilson, of this city, chief judge for the fruit exhibits of that congress.

Brooklyn, N. Y.—Aloysius Gross, who shot and killed John Scott last April and was convicted of manslaughter in the first degree, has been sentenced by Justice Crane in the Supreme Court, Brooklyn, to not more than seven or less than four years' imprisonment in Sing Sing. The sentence is regarded in the florist trade as a very light one.

Northampton, Mass.—The number of gardens in competition for the Carnegie prizes, this year, was over 850. The tenth anniversary of the competition was observed fittingly in Carnegie Hall, on Oct. 14. The announcement of awards was made by George W. Cable, president of the People's Institute, and stereopticon views of the prize winning gardens were shown.

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EASY TO HANDLE AND APPLY

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and potting soil. Used by all the largest
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PERSONAL.

Walter Retzer has resigned his position in the establishment of Grimm & Gorley.

W. Marche, of the firm of W. Marche & Co., was married on the 13th inst., to Miss Augusta Schellhorn, daughter of Mr. and Mrs. C. Schellhorn, who have for years conducted a very successful florist business in Washington, D. C. Mr. Schellhorn has lately sold out his business to Mr. Marche. We wish the young couple much happiness in their matrimonial as well as their floral venture.

Visitors in Boston: Thos. Gibson and Oscar Schultz, Newport, R. I.; Geo. T. Powell, Ghent, N. Y.

Visitors in Buffalo: E. J. Fancourt of Pennock-Meehan Co., Phila; Mr. Greene, representing N. F. McCarthy & Co., Boston; Theo. Miller and F. C. Weber, St. Louis.

Philadelphia visitors: Thomas Boothe de Forest, Lord & Burnham Co., New York; W. C. Langbridge, Albany, N. Y.; A. Lincoln Brown and wife, Cleveland, Ohio; J. F. Outerbridge, Bermuda.

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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

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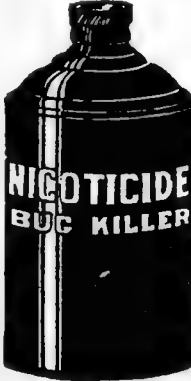
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Black ones too*

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50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$2.50

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STEAM BOILER LAWS IN MASSACHUSETTS.

It is apparent from the course of events this fall that the security felt by the horticultural greenhouse men after the new statutes regarding boiler inspection and firemen's licenses had been passed, was premature and that they were mistaken in assuming that they were beneficiaries together with the agricultural people in the exemption granted to the latter.

As it now transpires, every florist and market gardener using steam heating apparatus is required to employ a licensed fireman, which under existing labor laws means practically three men who have passed examination as firemen, for each day, in shifts of eight hours each.

A meeting of protest was called by the market gardener interests last Saturday,

which was attended largely by vegetable forceis and florists. It was decided to hire counsel and appeal to the courts to ascertain whether florists and others growing crops under glass come or do not come legally under the general heading of agriculture. Messrs. Rawson, Moore and Johnson for the vegetable forceis and Montgomery and Elliott for the florists were constituted a committee of five to carry out the wishes of the meeting and report at a later date.

Since the above was put in type we have received the announcement of Welch Bros. concerning the Ashton valve, which appears on another page. The steam heat fraternity are to be congratulated on this opportunity to escape at a small cost so embarrassing a predicament.

GREENHOUSES BUILDING OR CONTEMPLATED.

Elgin, Ill.—D. Hill Nursery Co., one house.

Jacksonville, Ill.—E. C. Shepherd, one house.

Tecumseh, Mich.—Eugene Griggs, one house.

Urbana, O.—J. G. Botkin, two sweet pea houses.

De Haven, Pa.—A. Lorch, two carnation houses.

New Albany, Ind.—John Bettman, carnation house.

Hughsonville, N. Y.—John Irving, range of houses.

New Canaan, Conn.—Stephen Hoyt's Sons, rebuilding.

Westboro, Mass.—Insane Hospital, conservatory, 22x107.

Grand Rapids, Mich.—Bruinslot & Son, range of houses.

N. Milwaukee, Wis.—W. Eschrich, range of plant houses.

Brampton, Ont.—Wm. Fendley, range of violet houses.

Baltimore, Md.—Hilpert & Hammond, two carnation houses.

Montreal, P. Q.—C. Legaree, vegetable forcing house, 65 x 500.

White Marsh, Md.—R. Vincent, Jr. & Sons Co., two houses, each 35 x 250.

Springfield, Ill.—W. T. Buckley, house, 29 x 145. Miss Belle Miller, two houses. Carl Rauth, three houses.

PATENTS GRANTED.

936,390. Pruning Shears. Clarence W. Washburn, Saratoga Springs, N. Y.

936,402. Plant Support. William S. Beasley, Philadelphia, Pa.

936,619. Flower Pot Stand. Patrick Foy, Roanoke, Va.

Houston, Tex.—On account of the increasing demand Robert C. Kerr has purchased property belonging to his father at 2417 Travis street for \$5,000, and will establish another branch to his florist business.

GLASS

Greenhouse and Hot Bed

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USE IT NOW.

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The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.

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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
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800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
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390 5 " " "	4.51	24 12 " " "	4.80
320 5 1/2 " " "	3.78	12 14 " " "	4.80
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American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
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4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodenware Mfg. Co.
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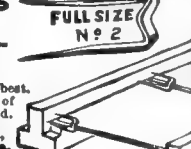


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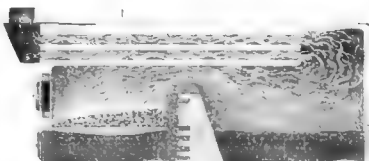
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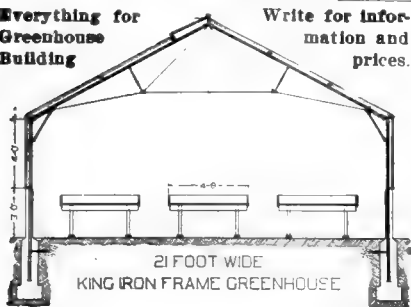
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KING IRON FRAME GREENHOUSE
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There is a natural architectural beauty about the curve of its roof lines, while the Sectional Iron Frame Construction gives it a lightness and endurance that it is out of the question to find in any other curvilinear house, made any other way. Give us the chance to tell you just why.

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But even as common sense is the most uncommon kind, so is a thoroughly sensible, every way practical greenhouse construction hard to find. Each one is strong in some few points, but what you want is one strong in all the strong points. Then the U-Bar is the house you are looking for.

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HORTICULTURE

Vol. X.

OCTOBER 30, 1909

No. 18



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Bulbs 13 cm. and up, case of 1,250 for \$11.00; less quantities, \$1.25 per 100. Selected bulbs, 14 cm. and up, 1,000 to the case, \$11.00; less quantities, \$1.50 per 100.

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Finest Selected Named, \$5.00 per 100, \$45.00 per 1,000. Fine Named, \$4.00 per 100, \$35.00 per 1,000. Separate Colors, \$2.50 per 100, \$22.50 per 1,000. Miniature, or Dutch Romans; Finest Named Sorts, \$3.00 per 100, \$18.00 per 1,000.

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Colvilli alba "The Bride,"	\$0.75	\$5.50
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2-in., 4.50 per 100; 40.00 per 1000

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Aginlegia Coerulea.....	\$5.00	\$45.00
Delphinium Formosum.....	4.50	35.00
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We have for immediate shipment the following from 2 in. pots at \$2.00 per 100. Kathleen Mallard Lobelia, Giant and Dwarf Alyssum, Lemon Verbenas, Fuchsias, Ivy Geraniums, Alternantheras, Golden Bedder and Verschaffeltii Coleus. Cash with Order. It will pay you to keep your eye on this corner.

R. Vincent, Jr. & Sons Co., WHITE MARSH, MD.

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Field Grown Plants

Pres. Seelye,	1st size	Per 100	Per 1000
White Lawson,	1st size	\$5.00	\$40.00
Pink Lawson,	2d size	5.00	
		4.00	

MISCELLANEOUS

Stevia Compacta, field grown,	Per 100	\$6.00
Asparagus Plumosa, from 2 1/4 in. pots	4.00	
" " " " " " " "	6.00	

Send for Catalogue of Roses, own root and grafted, and other miscellaneous stock.

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FISHKILL, N. Y.

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Send for our list. The very choicest Commercial Varieties.

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Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
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15-16 inches.....	.35 each
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Fumei, late pink; Putscherrima, mottled pink;
Victor Tricolor, salmon; Alba plena, cream;
Queen Emma, peachblossom; Rosa Elegans,
pink and salmon; Grandiflora rubra, red;
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Boule de feu, red, Athis, bright pink, and
Jeanne d'Arc, white, @ \$3.00 per 100.

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THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

Notes from the Arnold Arboretum

Some very handsome and interesting novelties are found among the Chinese Brambles of which more than a dozen have been introduced during recent years. Some of them differ in foliage and general appearance so much from our native species that at first sight one would hardly believe that they belong to the same genus. Those with long trailing shoots are well adapted for covering rocky slopes or sandy banks, also for planting on walls, trellises, pillars and the like; they keep their foliage unchanged until late in fall unaffected by early frosts and some are even half evergreen. Their leaves vary greatly in shape; in some species they are undivided or only slightly lobed, in some palmately lobed or palmately divided and in some pinnate.

One of the handsomest is *Rubus bambusarum* with trailing shoots from ten to twelve feet long, furnished with scattered small spines and covered while young with a white floccose tomentum. The leaves are trifoliate with narrow lance-shaped serrate leaflets from three to four inches long, glabrous and dark green on the upper surface and covered beneath with a white or later dun-colored tomentum. The flowers appear in terminal racemes from two to three inches long and are followed by black edible fruits.

Similar to the preceding species is *Rubus Henryi*, but the leaves are only lobed, not divided into leaflets, usually with five ovate serrate lobes or sometimes with three narrower lobes, covered on the under surface with a dun-colored tomentum. The flowers appear in short terminal racemes.

Another handsome species is *Rubus flagelliflorus* with long prostrate shoots from six to eight feet long and rooting at the tips, glabrous and furnished with a few spines. The half evergreen leaves are ovate to ovate-oblong, cordate at the base, unequally serrate and from four to five inches in length; the upper surface of the leaves has a metallic appearance and in shade they are sometimes beautifully marbled as in certain forms of Rex Begonia, the under surface is covered with a cream or dun-colored tomentum. The white flowers appear in small axillary clusters near the tips of the shoots. This species like the two preceding ones are valued for their ornamental foliage.

Chiefly for its ornamental fruit *Rubus innominatus* is to be recommended, resembling in habit and foliage the Raspberry. It is a strong growing shrub from six to eight feet high, the stems covered with a short velvety pubescence and furnished with a few scattered spines. The leaves are trifoliate with broadly ovate leaflets up to four inches in length, bright green and glabrous on the upper surface and white tomentose beneath. The showy drooping panicles of bright orange-scarlet fruits are from four to eight inches long or sometimes even longer and appear in September; they are edible and resemble in flavor those of the Blackberry.

Very distinct in foliage is *Rubus ichangensis* with long and slender shoots furnished with a few prickles.

The glabrous slender-stalked leaves are oblong-ovate, deeply cordate at the base, acuminate, with rather few large angular teeth and from three to five inches long. The small flowers appear in slender terminal and axillary panicles and are followed by small red fruits. Similar in the shape of the foliage is *Rubus Parkeri*, but the leaves are short-stalked and like the stems densely pubescent. The panicles are larger and looser and very glandular. Likewise similar to *R. ichangensis* is *Rubus Lambertianus*, but the leaves are broader, more deeply lobed and at the same time serrate and the panicles are larger and looser.

A very distinct species is *Rubus irenaeus* with long-stalked roundish, slightly lobed and serrate leaves from four to six inches in diameter, dark green on the upper surface, dun-colored with darker veins beneath. The flowers appear in axillary and terminal umbel-like clusters.

There are still other noteworthy species, as *Rubus chroosepalus* with leaves resembling those of *Tilia alba*; *R. conduplicatus* similar to *R. Henryi*; *Rubus coreanus* and *R. hypargyrus* with pinnate leaves white beneath; *Rubus Wilsoni* and *R. leucocarpus* also with pinnate leaves and other species not yet determined.

Alfred Rehder.

Oncidium varicosum Rogersii

(See Cover Illustration.)

This very useful as well as beautiful orchid is at its best now and its lovely sprays of pure yellow flowers have made the house in which they are growing here look bright and cheerful for the past three or four weeks and they will stay in good condition for another few weeks.

For general usefulness there are few orchids which can beat this lovely oncidium. It is of comparatively easy cultivation, once its requirements are understood.

Here they grow splendid in the coolest and at the same time lightest house of the establishment. Plenty of fresh air and light at all times are the main essentials to look out for. In winter they are kept at from 45 to 50 degrees at night with an increase of a few degrees during the day. Very little water is given throughout the winter, a syringing on bright days being sufficient until towards spring when the new growths are fairly well rooted; from that time on the amount of water is gradually increased until the plants are in full growth, when they are soaked once or twice a day, with an additional dip in weak manure water once or twice a week until the flowers begin to open; then water is gradually withheld until by the time the flowers have faded or have been cut, the plants are again ready for their long dry winter's rest. Here the plants are grown suspended from the roof near the ventilator, which assures an abundant supply of fresh air and light.

M. J. Pope

Naugatuck, Conn.

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Proficiency
 set at naught

That the question of the arrangement of the elms on Commonwealth avenue, Boston, is still very much alive is evident from a lengthy communication

illustrated with views and diagrams, from the pen of Prof. C. S. Sargent, which has recently appeared in a leading daily newspaper. The incomprehensible action taken by the park commission in adopting a plan of

planting at variance with that originally recommended as best, after careful consideration by two such masters of the subject as Prof. Sargent and the late F. L. Olmsted and in opposition to the expressed views of far-seeing experts generally, goes to substantiate the opinion often expressed that on all park boards there should always be at least one man whose training has given him expert knowledge of sylvan and horticultural matters from a practical standpoint. The property abutters on any avenue are, for obvious reasons, among the worst advisers in any question of tree planting or tree removal and their short-sighted clamor has often stood in the way of wise procedure. Subservience to such influences in the case of such a thoroughfare as Commonwealth avenue seems too bad especially as there is no doubt that had the planting been wisely done originally their opposition to any change at the present time would have been equally vehement.

The trend
 of wholesale flower
 marketing

The production of flowers is an expense. The selling is another and distinct expense, equally unavoidable. It has always been a cherished hallucination with the

average grower for the wholesale trade that he could save money by doing his own selling. Usually a short experience serves to disillusionize him. It may be recorded as a broad truth that no man who is a successful grower can afford to devote his time, all of which is needed at the growing end, to the business of marketing; that under existing conditions and competition no man can expect to dispose of to advantage in a couple of morning hours at a market, the product of a place of any consequence but will often find himself up against the necessity of letting his goods go at sacrifice price or adopting the alternative of making some arrangement whereby they can be held in stock ready for transient demand throughout the day. The latter course tends irresistibly to a commission plan and either course means unavoidable expense, and, in addition carries with it almost invariably the ultimatum of giving credit and sometimes taking long chances as to collection. These phases of the business were discussed at length at the annual meeting of the Boston Co-operative Flower Growers' Association and the above were the conclusions reached by most of the speakers.

To interest
 the retail florist

President Valentine has called a meeting of the retail florists of the United States and Canada at Chicago on November 5, as noted in our S. A. F. news in this issue. The call seems somewhat obscure as to what is proposed but we presume that the project specifically referred to is to devise some feasible plan for the interchange by telegram of orders for local delivery of flowers. This class of business has been steadily increasing for a number of years ever since the more progressive retail florists in various centres began to advertise in the trade papers their facilities for carrying it on and no doubt there may be evolved a good magnet for drawing support for the S. A. F. from this section of the business if some method can be devised in which the national society will figure as an advantageous intermediary. Of course the great majority of florists everywhere are retailers. The class particularly referred to, however, in the oft-repeated complaint concerning their disregard of the S. A. F., comprises those who are engaged in store business in the larger cities,

who do little or nothing in the way of production but purchase their stock in the wholesale markets from day to day. These men have in many cases been hard to reach, yet their support of the S. A. F. is most desirable for in their ranks are found many representatives of high standing and ability as business men whose fealty would bring no little strength to any organization. President Valentine is taking a commendable step in endeavoring to bring them together with some common purpose and we trust the effort will be successful. Undoubtedly there will come to the surface at the proposed meeting other ways in which the national society can be of value to this class individually. We hope so, for it is on this ground rather than on the plea of broad general advantage that active support must be sought.

British Horticulture

CHRYSANTHEMUM CONFERENCE

The National Chrysanthemum Society, departing from the programme followed in previous years, instead of having a show of early varieties the first week in October at the Crystal Palace, held a conference in London, and this was attended by many of the leading growers and amateur exhibitors. "Chrysanthemums as Annuals" formed the subject of a paper read by Mr. C. H. Curtis, assistant editor of the "Gardener's Magazine," who spoke of the value of the flower in decorating the conservatory at a time of the year when variety in form and color is of value. Mr. W. Wells, a successful specialist, eulogised the value of early single chrysanthemums, many new varieties of which have been introduced by his firm. Another commercial grower, Mr. P. A. Cragg, dealt with "Late market chrysanthemums," and Mr. D. B. Crane spoke on the best varieties for cut flowers. There was a small but interesting collection of blooms on show. Awards were made to the following: White Gem, a large reflexed Japanese, shown by M. Silsbury; Empress, canary yellow, incurved Japanese, and Tom Edwards, rich yellow, incurved Japanese, shown by Norman Davis; Medals were won by Norman Davis, M. Wells and Co., J. B. Riding, W. J. Godfrey, J. H. Witty and T. Brazier. The Society are arranging to hold a big show at the Crystal Palace, early in November, and the annual dinner follows at a subsequent date.

NEW ROSES

At the autumn show of the National Rose Society some meritorious seedlings attracted considerable attention. Messrs. S. McGredy and Sons, of Portadown, Ireland, who have introduced a number of sterling novelties in recent years, gained a gold medal for Mrs. Edward J. Holland, of a rich pink tint and slightly reflexed petals, and cards of commendation for Mrs. Wakefield Christie Miller, a H. T. of silvery pink and cerise, and Mrs. Arthur E. Coxhead, of a magenta shade. Two other Irish firms also distinguished themselves in this department. Mr. Hugh Dickson, of Belfast, a well known exhibitor at these shows, was awarded a gold medal for Miss Cynthia Forde, a shapely H. T.

of a pleasing pink and silver shade. Messrs. Alexander Dickson and Sons, of Newtonards, received a card of commendation for Mrs. Frank Bray, a rich orange yellow, H. T. Claudius is the name of a very fine H. T. of a rich cherry red color, shown by Messrs. B. Cant & Sons, who received a gold medal. Messrs. H. Merryweather & Sons showed a useful addition to the polyantha section, Jessie, of a nice crimson shade for which a card of commendation was granted. The following were adjudicated the best blooms in the show in the trade section; H. P., Mrs. John Laing; H. T., Earl of Warwick; Tea, Souv. de Pierre Notting. In the amateur section the same varieties took the awards, with the exception that Maman Cochet was the best Tea.

A COLOR STANDARD

There has long been wanted some proper standard of colors, in order that uniformity should prevail in the descriptions of flowers. One has only to compare the various trade catalogues to realize the widespread variation in the details of the colors published respecting the same flowers. The Royal Horticultural Society has lately taken up this matter with the view to forming an international code which would convey the exact meaning when any particular tint was mentioned. The Rev. W. Wilks, Secretary of the Society, recently announced that the Society has obtained a color chart "containing 360 colors between white and black, with the names of each in French, German, English, Spanish, and Italian, together with four shades of each of the 360 colors, so that anyone wishing to describe to a friend at Calcutta the exact color and shade of a flower or a silk or painting need only refer to the color chart number, quoting if for apricot, e. g., page 53, shade 3; or if for rosy pink, page 118, shade 4, and so on. My excuse for asking you to make this widely known is the manifest utility which would accrue to everyone all the world over if this chart were adopted universally as a standard of color nomenclature, not only (as it will be) for flowers but also for all trade and commercial purposes which relate in any way to color. How very vague, for example, are most people's ideas of the distinction between purple, crimson, and mauve, and how often is the word carmine used as an easy method for solving the difficulty without conveying any definite notion as to what color exactly is meant."

JOTTINGS

The second Masters' Memorial picture has been given before the members of the Royal Horticultural Society, the subject being "The production of horticultural varieties."—A proposal has been made to raise a fund to provide some fitting memorial to the late Peter Barr, the "Daffodil King."—A pamphlet has been issued by the Board of Agriculture with the object of giving encouragement to the bulb-growing industry in this country. Figures are given suggesting that the gross returns per acre should be something like £40 after the first year, and a good deal more after the second.

London.

W. H. Adsett.

NEWS OF THE CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

Our second business meeting in October was held on the 22d instant, at the County Building, Hartford, with President Huss in the chair. Much routine business was transacted, including the admission of two new members, Thomas Muellin, of Berlin, and Miss Bertha P. Dennis. James M. Adams read an interesting newspaper article on the scientific culture of the dahlia.

The admission of a new lady member makes pertinent the expression of the earnest desire of the society that there shall be more participation of ladies in its beneficent work, and also more personal attendance at its business meetings, at which a question box is always open for their inquiries, and experts in almost all lines of horticulture are ready and glad to impart information. It is the belief of many of our members, that such affiliation and interest on the part of ladies interested in the uplifting and aesthetic art of horticulture, would widen the usefulness and influence of the society in this state.

Plans are about perfected for our annual chrysanthemum exhibition at Putnam Phalanx hall, Hartford, Nov. 3 and 4. The decoration of the hall will be in charge of A. Calverly, C. O. Purinton and W. W. Hunt. As an advertisement, and partly as a philanthropic measure, fifteen hundred tickets for children's admission will be presented, gratis, to the superintendent of schools of Hartford, Thomas S. Weaver, for distribution, in his discretion, among the school children of the city. It is expected that much interest in the exhibition will thus be elicited from the families of the children. Arthur T. Boddington's gratuity of \$25 for the best collection of vegetables is likely to bring out a splendid array in this very important branch of horticulture, which Mr. Boddington correctly believes has not hitherto received the attention it deserves in horticultural fairs. The rules of the Lenox Horticultural Society will govern in this special award.

At our last meeting, in keeping with the frequent practice of the members to voluntarily exhibit some special articles or plants, W. H. Shumway, of Berlin, showed three monstrous fruits of the lemon, each over twelve inches in circumference, grown in his greenhouse in an 18-inch pot. They are thin-skinned, and of very best flavor, he states. Nothing like them in size has ever been seen here before. They were afterwards placed in a newspaper window in Hartford, and have attracted much attention.

Peter Zuger, who has held the position of head gardener at Elizabeth Park, Hartford, for eight years, and who is one of our most indefatigable workers when there is business to be done, has lately resigned his position, and will remove to South Manchester to enter the arena of commercial floriculture. He carries with him the best wishes of our society; and, fortunately for us, he will be so near to Hartford

that we look for his continued assistance in the future operations of the organization. He will remove to his new field on the 1st of November.

Our recent dahlia show fell on two rainy days; and a deficit of about \$50 is likely to occur, when we come to strike the final balance; but we are fortunate in the fact that the new state law, now in operation, makes \$200 of the funds of the Commonwealth available to us for the payment of premiums.

The weather this autumn has been very favorable to the growth of all flowers, vegetables, and fruits. Chrysanthemums are in their glory. No killing frost has yet occurred hereabouts, on uplands. Farmers are still enjoying succotash; and the writer has the unprecedented pleasure, this morning, Oct. 25, of eating luscious Goethe grapes right from the vine.

GEORGE W. SMITH, Sec.

Melrose, Conn.

NATIONAL CHRYSANTHEMUM SOCIETY OF GREAT BRITAIN.

On October 6th the above society held a conference and exhibition at the Essex Hall, Strand. In the absence of the president, the chair was taken by Mr. Thos. Bevan.

The first paper was read by Mr. C. H. Curtis on "Chrysanthemums as Annuals," in the course of which the author advised amateurs to raise their plants for garden decoration annually from seed. It was true that they would mostly be singles, but sown early in the year they would bloom the same autumn and provide a mass of flowers without the trouble of saving stock from which to take cuttings.

Mr. William Wells gave a paper on the "Origin, History and Culture of the Early Flowering Singles." Late market chrysanthemums were dealt with in two papers—one on the commercial side and the other on the aesthetic.

In conjunction with the conference there was an interesting display of earlies. W. Wells & Co. staged early Japanese and early singles in good form and in large numbers. W. J. Godfrey had a fine collection of very large show blooms, shown singly in tall vases. J. B. Riding put up a neat collection of Cactus and Decorative dahlias, Michaelmas daisies and early chrysanthemums. A nice exhibit also came from Frank Brazier in which Michaelmas daisies were daintily intermingled with chrysanthemums of excellent quality. Mrs. Norman Davis and Gladys Blackburn were immense blooms. Tom Edwards, a new yellow Jap. and Empress, a fine incurving Jap., both had first-class certificates. Then there were seedlings at present unnamed. Aster amellus Onward was a most effective variety.

Other exhibitors were J. H. Witby, C. Payne, Mileham and Martin Silsbury, whose new large creamy white seedling Japanese was awarded a first-class certificate.

The conference was attended by a large number of well-known enthusiasts.

NATIONAL DAHLIA SOCIETY OF GREAT BRITAIN.

If the first show of this society for the season was interesting, the second, which took place in the Royal Botanic Gardens on the 21st of September was far and away in advance. The flowers generally were of a higher average quality and the variety was enormous, every section from the old Show type to the more modern Peony-flowered being well represented.

Trade exhibits were conspicuous by their importance and high standard of excellence in setting up. A gold medal was awarded to J. T. West, who on a table 36 ft. long, staged Cactus and Pompons in fine form. Dobbies also had a gold medal for another big display most handsomely arranged. The Peony-flowered varieties seemed to include every known variety. The Singles, the Collarettes, the Pompons, the Cactus, the Pompon Cactus, the Show and other Decoratives were immense in number and impossible to enumerate.

T. S. Ware & Co. had a run of 50 ft. long. Decoratives, Peony-flowered and Cactus predominated. The front was set off with a row of *Isolepis gracilis* in pots and at intervals in the group were huge vases containing pale blue delphiniums.

Another grand group 50 ft. long was staged by Hobbies, Limited. These flowers were mostly of the Peony and Cactus sections, set up in very tall supports with plenty of autumn greenery by way of relief. They, too, had a gold medal.

In the competitive class the leading exhibitors were J. Cheal & Sons, J. Burrell & Sons, Keyes, Williams & Co., S. Mortimer, Sealer, John Walker, J. Stredwick & Sons, Chas. Turner, etc.

Artistic displays and floral decorations in which the dahlia was the leading feature found expression in many prettily arranged vases, baskets, wreaths and epergnes. Any attempt at enumerating the various leading varieties in the different sections would be an invidious task, but certainly the old Show varieties, the Pompons and the Singles were in splendid form. The more modern race of Peony-flowered appear to be largely increasing but in many of the more recent kinds the flowers appear to be ragged, wishy-washy things, only fit to ornament distant odd corners of the garden.

CHICAGO FLORISTS' CLUB.

The weekly meeting of the Chicago Florists' Club for the furtherance of the Flower Show was held at the Union restaurant. Reports showed everything well under way. The effect as a whole is to be that of a Japanese Garden. An acre of sod will be used. A committee was appointed to look after the welfare of the ladies at the flower show and especially the night of the theatre party.

The following names were proposed for membership: A. Miller, August Bergland, Albert Erickson, D. A. Robertson, John Schottzman, Harry Frank.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Appointments.

President Valentine has made the following appointments:

As representatives of the S. A. F. & O. H. to the National Council of Horticulture: J. Otto Thilow, Philadelphia, Pa.; Elmer D. Smith, Adrian, Mich.

Committee on Badge for Life Members: W. J. Vesey, Fort Wayne, Ind.

Conference Committee with the American Seed Trade Association: Wm. F. Kasting, Buffalo, N. Y. (The other members of this committee are ex-officio J. A. Valentine and F. H. Traendly. After January 1st the additional members will be F. R. Piereson and J. A. Valentine.)

Committee on State Appropriations for Experiment Stations: W. N. Rudd, Morgan Park, Ill.

Retail Dealers' Delivery Association.

By order of President Valentine a meeting of the retail florists of the United States and Canada is called for Friday, November 5th, next, at 2 p. m., at the Chicago Flower Show in the Coliseum Building.

Letters received by President Valentine from retail florists in various parts of the country indicate that there is a general desire for an association of this kind properly organized, and this meeting is called hoping that a large number of retail florists will get together, discuss the matter in all its bearings, and complete a preliminary organization which shall go forward and work out the details in such a way as to put this much needed project on a safe and effective basis.

In order to expedite matters and save delay at the meeting it is desired:

First: That all retailers interested who will be unable to be present, will write the undersigned expressing their views fully, such letters to be turned over to the meeting.

Second: All retailers interested are urgently requested to enclose with the above letters copies or forms for such telegrams as they customarily send or receive in such cases, with a view to preparing a suitable cipher code for telegrams.

Third: A special statement to be sent of the difficulties experienced at the present time in transacting such business by each individual, so that the new organization may have full information to work from and be able to make the new system at once safe, sure and speedy.

W. N. RUDD, Secretary.

Oct. 23, 1909.

Those Convention Railroad Rates.

The Editor of HORTICULTURE having seen fit to criticize, by implication, the writer for failure to obtain reduced rates to the Cincinnati convention, and that other bright star in the Eastern heavens, Mr. Bunyard, having seen fit to add his mite, it seems advisable that the facts should be given.

Application was made to the Central Passenger Association in Chicago, which has jurisdiction over the central portion of the United States, for reduced rates. This application was refused, except that rates were offered conditioned on an attendance of one

thousand, which is more than double the registered attendance for some years back. The matter was taken up again with unfavorable results, and it came before the association a third time, at which time the writer is advised that every road represented, with one exception, voted against our proposition. Practically the same experience was had at the Niagara Falls convention.

In view of the fact that the Central Passenger Association had repeatedly refused concessions to larger and more influential societies than our own, it seemed useless to go further in the matter. Perhaps Mr. Stewart or Mr. Bunyard could have done better—but the writer could not.

The following letter, in answer to a query of the writer, sets forth the conditions existing:

CENTRAL PASSENGER ASSOCIATION.

Tribune Building, Chicago.

October 9, 1909.

W. N. Rudd, Secretary,
Society of American Florists,
Morgan Park, Ill.

Dear Sir:

In response to the inquiry of your favor of 18th inst., I beg to advise that the lines of the Central Passenger Association participated in the excursion fares announced and tendered connections by the roads of the Southeastern Passenger Association for the occasion of the last annual meeting of the National Nut Growers' Association at Albany, Ga., the rate being one and three-fifths regular fares on the certificate plan, contingent on an attendance of one-hundred or more people. As you have been advised, this basis of a fare and three-fifths, requiring an attendance of not less than one-hundred persons, is not used in Central Passenger Association territory. Formerly, when passenger fares were three cents per mile, concessions were made to conventions of one and one-third normal fares contingent upon an attendance of one-hundred or more delegates. This practice, however, was perforce discontinued following enactment of the maximum passenger fare laws by the states in which these interests operate. Without using the basis locally, they have, however, conceded participation in such fares in the territories of other Associations, when tendering one and three-fifths regular fares on an attendance of one-hundred or more, as in the instance of the Nut Growers' meeting at Albany, Ga. As you have been informed, Central Passenger Association roads have, by reason of the conditions referred to, limited extension of convention fares to one and one-half published rates, contingent upon an attendance of one-thousand people. Yours truly,

(Signed) F. C. DONALD,
Commissioner.

Rochester, the next meeting place, is, I believe, under the jurisdiction of another traffic association and it may be possible to obtain rates. If such rates are granted by the Eastern Association, it would seem, in view of the above letter, that the Central Association would have to join in, in order to be consistent, although consistency does not always seem to be a strong attribute of those engaged in making passenger rates.

Information just received is that the total number of names registered in the book kept by the Cincinnati Florists' Club of those visiting Cincinnati at convention time was 1056, and this register did not contain the names of any local florists and did not contain the names of a good many of the members of the S. A. F. The total registry in the S. A. F. book was 258, and the total number of votes cast at election was 295.

From this it would appear that the question of railroad rates did not keep visitors away, but on the other hand that there was a large attendance. The whole proposition, then is, appar-

ently, that there was as large or a larger attendance at Cincinnati than at any other convention of recent years, but that only a small proportion of those attending joined the society. There were 1326 attending the entertainment at Coney Island, of which probably not to exceed 20 per cent were members of the S. A. F.

W. N. RUDD.

BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION.

The annual meeting and dinner of this association was held at Young's Hotel, Boston, on Saturday evening, October 23. About forty gentlemen sat down to the excellent banquet, which was presided over by President Stickel with the grace and dignity born of seventeen years' consecutive occupancy of the chair and which was thoroughly enjoyed by those who participated, including the representatives of the trade papers who were invited guests as usual.

After the menu had been frazzled, the business meeting of the corporation was in order. The treasurer's report showed a surplus of about \$7,500 over the par value of the stock. The election of officers resulted in the re-election of all the old incumbents, S. J. Goddard being selected to fill the vacancy in the board of directors caused by the death of E. Sutermeister. An eloquent resolution of respect and condolence on the death of their fellow-member and director for many years, E. Sutermeister, was read by President Stickel and unanimously adopted by a rising vote.

The principal business of the meeting was then taken up, viz., to see if the corporation would vote to sell any or all of its assets and to see if the corporation would vote to liquidate or dissolve. This was debated at length from all standpoints and both propositions were finally adopted by a unanimous vote. The outcome of the move will be the incorporation of an organization with larger functions and capitalized at \$20,000 and it is understood that the stockholders in the old company will re-invest in the new company to the extent of the value of their shares in the old, or more.

The question of the scope of a flower market of this character brought out some interesting views, pro and con, as to the advisability of maintaining the salesroom exclusively for the use of bona fide local growers to dispose of their respective products in the morning or opening its facilities for the use of salesmen, brokers and commission dealers and keeping it in operation as a regular wholesale salesroom all day, with storage accommodations, etc., under the supervision of a manager. It seemed to be the consensus of opinion that the latter course is the only logical one under modern conditions, and that since competition from commission dealers with supplies from other states, etc., is inevitable, it might as well be met within the market walls as outside. In other words "not a theory but a condition" is to be met.

On the table was a vase of fine blooms of carnation Shasta from Patten & Co., which received many appreciative compliments for its very evident fine points as a good commercial white.

HORTICULTURAL SOCIETY OF NEW YORK.

A meeting of the Horticultural Society of New York was held at the American Museum of Natural History, on Wednesday, Oct. 13th. Fourteen new members were elected, including one life member. The election was also announced of Mr. T. A. Havemeyer as a vice-president. An interested audience listened to the lecture announced for the day, "Coniferous Evergreens; Their Use in the Landscape" by Mr. George V. Nash. The speaker illustrated his remarks with numerous lantern slides, some of them colored.

In a previous issue of this paper attention was called to the exhibition of this society to be held at the American Museum of Natural History on Nov. 3rd to 7th, inclusive. The exhibition will open on the evening of the 3rd at 7 o'clock, and this evening will be devoted especially to the reception of the members of the society, the Museum and affiliated organizations. On Thursday, Friday and Saturday the hours will be from 9 a. m. to 10 p. m., with the exception of the hours between 5 and 7, when the Museum will be closed to the public. On Sunday the exhibition will be open from 1 to 5 p. m. It is to be noted also that this exhibition is entirely free, no charge being made for admission.

It is hoped that all will appreciate the advantages offered and that all who can will enter the competition. All are welcome as exhibitors, whether members of the society or not, and an invitation is extended to societies and individuals to participate. The secretary will be pleased to send a schedule to anyone on application. Address communications to George V. Nash, Secretary, Horticultural Society of New York, New York Botanical Garden, Bronx Park, N. Y. City. The management makes an especial request that entries be made early, so that space may be properly allotted, thus insuring a prompt placing of exhibits immediately on arrival.

Those who have visited the American Museum of Natural History are acquainted with the beauties of its interior and the excellent facilities offered by its spacious halls for exhibition purposes. To those who are not familiar with this building a word of explanation may be welcome.

The main entrance is on the ground floor, on 77th street. A large foyer succeeds the entrance corridor. This foyer is oval in shape and is illuminated by numerous incandescent lights, and would make an ideal place in which to exhibit large specimen palms and other plants, and perhaps some of the larger specimens of chrysanthemums. All entering the Museum pass through this foyer. Opening from this are three radiating halls, well lighted by ample windows, and well supplied with electric lights. Cases, placed transversely on either side of the broad central aisle, divide these halls into small compartments in which may be placed individual exhibits or displays of a special nature. These cases are of elegant construction and will furnish a rich background to the exhibits. The halls are well ventilated, the temperature not too high, and the

floors of stone; factors which go a long way in preserving in good condition the flowers exhibited. The excellent appearance of the flowers at the end of the exhibition held here last fall was remarked by all. There is ample space available, so that none need feel cramped for room, and all are invited to make their exhibits as complete as possible. If all interested in horticulture, both professional and amateur, will do their best, if each will take a personal interest in the matter, the exhibition will prove one of the largest and best ever given in this vicinity, and will do much toward awakening an active interest in horticulture, an interest which cannot but be of benefit to all.

A few changes have been made in the schedule as first issued. A special prize for a collection of vegetables has been received from Mr. Arthur T. Bodding, \$15 for first, \$10 for second. It has been decided to slightly change the requirements as to length of stems for cut chrysanthemums, the requirement now being that they shall be not less than thirty inches long instead of three feet.

NEW ORLEANS HORTICULTURAL SOCIETY.

The regular monthly meeting of the New Orleans Horticultural Society was held at Kolb's Hotel on the evening of 21st inst, President Alost in the chair. There was a good attendance of members. After the routine business was disposed of the question of buying or building a club house on the lake shore was again brought up. The members present were strongly in favor of the proposition and a committee of six was appointed to investigate and report to the next meeting. It was agreed to renew the competition for plants, etc., each monthly meeting. Mr. Papworth invited the members to inspect his greenhouses at Metairie Ridge on Sunday the 24th. Abele Bros. had specimens of Robinson and Moravia chrysanthemums on exhibition, very fine flowers. R. Eichling, grower for U. J. Virgin, had a beautifully finished plant of Phoenix Roebeleni. He mentioned that it was planted in the open ground less than two years ago from a 2 1-2 in. pot.

CHRYSANthemum SOCIETY OF AMERICA.

Work of Committees.

New York—No. 1 Seedling. Jap. Inc., white. Exhibited by Chas. H. Totty, Madison, N. J. Commercial, 89; exhibition, 89. Certificate.

No. 2 Seedling. Jap. Inc., light pink, by C. H. Totty. Commercial, 85. Certificate.

Cincinnati, O.—Edward Albe, Inc., satin pink. Exhibited by E. G. Hill Co., Richmond, Ind. Commercial, 87. Certificate.

CHAS. W. JOHNSON,
Secretary.

BUFFALO FLORISTS' CLUB.

The regular meeting of this club, which would come on Tuesday, Nov. 2nd, has been postponed on account of election and members will be notified by card for a later day. Pres. Slattery is booked for the paper on "Color Harmony," and a good attendance is requested by the secretary.

THE
BUY WORD
OF THE
FLORIST TRADE
IS
"APHINE"
Have YOU adopted it?

 You can learn all about
"APHINE" in next week's issue.

WATCH FOR IT.

NATIONAL NUT GROWERS' ASSO- CIATION.

The eighth annual convention of the National Nut Growers' Association, just held at Albany, Georgia, was one of the largest and most successful in the history of the organization. The membership roll was increased fully thirty per cent, and the financial condition permits the publication of the proceedings without delay.

Many pertinent papers were read and the discussions proved interesting and instructive.

Reports and data gathered, show a rapid increase in the planting of commercial orchards, and much public interest in the industry.

One entire day was devoted to visiting the large orchards and nurseries in the vicinity of Albany; a special train having been furnished for the occasion.

Reports from most of the pecan sections promise a fair crop this season, while the demand for nuts, especially the fine varieties, is far beyond the present supply.

The convention goes to Monticello next year.

Officers elected are as follows: President, J. B. Wight, Cairo, Ga.; first vice-president, J. B. Curtis, Orange Heights, Fla.; second vice-president, H. C. White, DeWitt, Ga.; secretary, J. F. Wilson, Foulon, Ga.; treasurer, M. B. McNeely, Little Rock, Ark.

ST. LOUIS HORTICULTURAL SO- CIETY.

Since the issuing of our final premium list, the Hess & Culbertson Jewelry Company of St. Louis are offering a beautiful silver cup for the "Best 100 American Beauties," same to be staged the first day of the exhibition, November the 9th. We should like to see some one of your readers win this elegant prize.

OTTO G. KOENIG, Secretary,

ROEHRS
RUTHERFORD, N. J.
PHOENIX and KENTIAS

L'ASSOCIATION FRANCAISE DES AMATEURS ET JARDINIERS CHRYSANTEMISTES.

This Society in a way a rival of the older French Chrysanthemum Society at Lyons, is fast making headway. At the time of writing although it has only been in existence two years, it has a membership roll of 692. Its journal, "La revue Chrysanthemiste," appears regularly every month. The membership dues are 3 francs per annum. The annual meeting and conference takes place in Paris on the 6th November next.

C. H. P.

AMERICAN CARNATION SOCIETY.

Notice is given of the following registration:

Admiration—Result from seedling crossed with Enchantress. Color, light pink, lighter than Winona. Size, 3 to 3 1-2 inches. Habit ideal with no surplus grass, every shoot going right up to flower. Stem is as long as Enchantress, and holds the flower up at all times of the year. Easy to handle, either from field or planted inside. Originated by Chas. Knopf Floral Co., Richmond, Ind.

A. F. J. BAUR, Secretary.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

There will be a meeting of the National Sweet Pea Society of America in the Museum of Natural History, New York City, November 3rd, at 7 p. m., to discuss the future of the society and other important business. All who are interested are invited to attend.

HARRY A. BUNYARD,
Secretary.

ROEHRS Rambler Rose

Finest for in and outdoor

NEWPORT FAIRY

Fine, strong field-grown stock 50c ea.,
\$20.00 per 100

Julius Roehrs Co.

RUTHERFORD, N. J.

GOLDEN GLOW CHRYSANTHEMUMS

Stock Plants, \$6.00 per 100

R. T. McGorum, WATICK, MASS.

Stall 57 Co-operative Flower Market.

HARDY PERENNIAL PLANTS SPECIAL OFFER.

Doronicum excelsum, \$6.00 per 100. *Doronicum caucasicum*, \$5.00 per 100. *Veronica longifolia subsessilis*, \$4.00 per 100. Write for prices on Hardy Perennial Plants.

OLD TOWN NURSERIES,

S. NA'ICK, MASS.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Flaule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD N. J.

PALMS, All Sorts and Sizes

Before You Think Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

We have just what you need.

William W. Edgar Co. WAVERLEY, MASS.

A FEW FINE PRINCESS OF WALES VIOLET PLANTS

At \$5.00 per 100

WILLIAM SIM Cliffondale, Mass.

PANSY PLANTS

From my well-known strain, none better; also DAISIES (bellis) and FORTGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

NOW READY

Zirngiebel's Fine Strain of

PANSY PLANTS

they can't be beat; well known for a century; good strong plants, 50c per 100, \$4.00 per 1000.

AUGUSTUS ZIRNGIEBEL,
EAST NORWICH, N. Y.

HEACOCK'S PALMS

<i>Areca Lutescens</i>	Each
6 in. pot, 3 in. pot, 24 to 26 in. high.....	\$0.75
6 in. pot, 3 in. pot, 26 to 28 in. high.....	1.00
7 in. pot, 3 in. pot, 30 to 32 in. high.....	2.00
<i>Cocos Weddelliana</i>	Per 100
2 1/2 in. pot 8 to 10 in. high.....	\$10.00
2 1/2 in. pot 10 to 12 in. high.....	15.00
<i>Kentia Belmoreana</i>	Each
5 in. pot, 6 to 7 lvs, 18 in. 100.....	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.....	1.00
7 in. pot or tub, 6 to 7 leaves, 24 to 26 in.....	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
<i>Made-up Kentia Forsteriana</i>	Each
7 in. pot, 4 in. pot, 34 to 36 in.....	\$2.50
7 in. pot, 4 in. pot, 36 to 38 in.....	3.00
9 in. tub, 4 in. tub, 42 to 48 in.....	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

We still have a few thousand

A ZALEAS

to offer at import prices in the best commercial varieties; also Bay and Box Trees, Eucalyptus, Eurya Latifolia, Araucaria, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus and Small Ferns for Dishes in best sorts at lowest wholesale prices.

Wholesale Price List on Application.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitman, Boston, Amerpohl, Scottii, Todeaoides. Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
PHILADELPHIA, PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

Fall Advertising Is Ripe and Business Ready to Pick

Seed Trade

Wholesale Seedsmen's League.

The Wholesale Seedsmen's League held their first meeting of the season at the rooms of the Hardware Club in New York City on the 29th inst. While no definite information has been given out, it is generally understood that there was a sharp marking up of prices on practically all varieties of peas, the advances ranging in some instances up to \$1.50 per bushel over last year's figures. The bean prices were not greatly changed and the same may be said of the general line of small seeds, such changes as were made showing a slight reduction from last year's prices. It is learned that certain varieties of cabbage seed of which the foreign-grown varieties are generally used, have been marked up; among these being the Danish Ball Head and the Winningstadt. There has been some advance in the prices of radish seed, particularly the French-grown stock. But, as stated, exact figures are not obtainable at this time and probably will not be until the prices agreed on at the meeting have been printed and issued to members of the league. These prices as a whole, bear out fully the estimates which have been given in HORTICULTURE from time to time as to general crop conditions and prove the value of HORTICULTURE'S crop news. Several prominent seedsmen have remarked on this fact and many are realizing the value of the crop forecasts given in these columns.

"Farmers' Alaskas."

Certain unscrupulous persons are already peddling the so-called "Farmers' Alaskas," grown by Wisconsin farmers, and in years of plentiful crops sold at the price of Scotch Blues, and often as Scotch Blues, but in seasons of scarcity like this they are trotted out and made to do duty as Alaskas. They may have been Alaskas once, but that type is lost now, and they will grow a vine six to seven feet in length, heavy as a Telephone vine, setting two to three sets of pods maturing over a period of three to four weeks. As these peas are grown in close proximity to Scotch Blues, and little effort is made to keep the two distinct, it can easily be surmised that they become mixed, and are gradually losing their separate identity. Cannons are the chief victims of the unprincipled dealers as they will snap at the bait of low price, and in the end their loss is many times the difference in the price of the seed. Such persons have been stung repeatedly, but are as often caught with the same bait. Of course they deserve no sympathy, but it is a pity the innocent victims, of which there are a few, do not seek redress in the courts. It is confidently contended that the disclaimer would not protect the sellers. It ought to be tried out, and if a dealer selling such junk were mulcted in heavy damages he would have to bear his troubles alone and could claim no sympathy. As a protection, canners and seedsmen should insist on knowing the pedigree of any pea seed offered and have it

put in writing. If this were done, little of such trash would be sold. It is an open question whether it should be classified as Alaska or sold under that name.

Vine Seeds Short.

Water melon seed is a scarce article in the west, but fairly plentiful in the south, and our western friends are supplying their deficiencies from that section, which nearly evens up matters. It might here be mentioned that nearly all vine seeds are short in supply, and particularly musk melons. Squashes are on the short side of course, but with reference to most vine seeds, the real situation is not yet known. The same may be said of beans and corn—at least as far as the general trade is concerned.

Among the very short items may be mentioned pumpkin seed. It looks as if Connecticut Field would be worth 20c. per lb. the coming season, while the more fancy varieties will double in price. This scarcity of pumpkins will be a hard blow to the lovers of that delicious desert, but think of the woe in the "pie belt!" Pie is nearly the "staff of life" in the pie belt, and what with the high price of beans, the denizens of the "belt" discovered by Kipling are bound to have their troubles. There may be wars and rumors of wars, and stocks may rise and stocks may fall, but what are such trifles compared with a scarcity of beans and pie? Well may the trembling Bostonian exclaim, paraphrasing the immortal words of Patrick Henry: "Give me beans and pie, or give me death!"

Notes.

The Gurney Seed Company of Yankton, So. Dak., are erecting a new store house of brick.

The A. E. McKenzie Co., Brandon, Man., lost a large seed warehouse and contents by fire on Oct. 11.

R. W. Laughlin, senior member of the Laughlin Seed Co., of Canton, O., is spending a few days among the onion growers at Canastota, N. Y.

The Ozark Seed Co. of Springfield, Mo., have elected John R. Barrett president, R. R. Ricketts vice-president and A. S. C. Sanders secretary of the corporation.

R. & J. Farquhar & Co. have just received notification of the award of the gold medal at the Alaska-Yukon-Pacific Exposition for new peony-flowered dahlias.

It is reported that Mr. George Philp has severed his connection with Sherman & Eberle of Albany, N. Y. It is said he has his ear to the ground listening for "dat call."

John Bodger, Sr., of John Bodger & Sons, wholesale seed growers of Gardena, Cal., has just returned from Europe, having visited several of the leading seed firms in England, Germany, France and Holland.

Mrs. H. A. Jahn of New Bedford reports a considerable demand from abroad for dahlia seed. Last winter she was successful in producing flowers in midwinter from tubers planted in the greenhouse in the fall. The blooms were sold for fifteen cents each.

The dinner to be tendered by the

Pennsylvania Florists' Club to Mr. Lonsdale, prior to his departure for California to take charge of the Burpee Ranch, promises to be a rather large affair, as the Florists' Club will be liberally represented, and in addition, many of the Philadelphia seedsmen and some of their out-of-town friends will be present. An account of the dinner will no doubt be given in next week's issue.

It is learned that a well-known seed firm in Central New York is on the eve of a dissolution of partnership. Whether this will mean the retirement of one of the partners or two stores in place of one has not been definitely learned, though the probabilities are in favor of the latter proposition. For reasons good and sufficient, it is not considered advisable to give names at this writing, but full details will be furnished in the near future.

While there is likelihood of one of the Central New York firms splitting up, there is another very anxious to sell out. Just what this latter has to offer is not known, but something tangible must be shown, as people of this day will seldom buy empty shells.

Crop report of October 6, from Hjalmar Hartmann & Co., Copenhagen, is as follows

Cauliflower—Not harvested. "Early" and "Earliest Erfurt" seems to give full crop provided there is a good fall. "Dry Weather" or "Danish Giant" will ripen very late and result is doubtful yet.

Cabbage—Harvested. Is short and gives only 25 to 50 per cent. crop. Red cabbage even less. The reason is frost in the heads before planting last fall and attack of insects during the summer.

Turnip and Swedes—Crop short and price 50 per cent. over usual price.

Mangold—Crop insignificant and not even sufficient to cover the Danish market.

Lily of the Valley pips—Crop excellent, quality very fine.

CATALOGUES RECEIVED.

G. Benard, Orleans, France—General Wholesale Price List of Plants, Hardy and Tender.

W. K. Nelson, Augusta, Ga.—Price List of Field Grown Roses and Ornamental Shrubbery.

Anton Schultheis, College Point, N. Y.—Wholesale Price List of Florists' Plants, Fall 1909, Spring 1910. Illustrated.

Samuel Smith, Slaghill Nursery, Derbyshire, England—Special Trade Offer of Trees, Shrubs, Border and Alpine Plants.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offer of Novelties, 1910. This contains illustrations of some promising things in flowers and vegetables and is accompanied by a plate showing several of them in natural colors.

Hjalmar Hartmann & Co., Copenhagen, Denmark—Wholesale Price List of Cauliflower, Cabbage and Danish Root Crop Seeds. Attention is called to the high quality of Danish lily of the valley pips, which ripening earlier in the northern climate are especially desirable for early forcing, giving well developed foliage for Christmas.

Dreer's Special Offer

OF

Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world. Our collection is unequalled, and we are prepared to furnish the new and rare kinds as well as all the popular standard varieties in large quantities.

The plants we offer are all strong one-year-old field-grown plants and will make a fine display of flowers next season.

New and Rare Varieties.

	Per 100	Per 1000
Aglæ Adanson (Tall). Immense flowers, snow-white, with red eye.....	\$8.00	\$75.00
F. G. Von Laseburg (Medium). The purest white in cultivation; individual flowers larger than any other white..	8.00	75.00
Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.....	6.00	50.00
Louis Blanc (Tall). Reddish-violet, with purple shadings and darker eye. A distinct dark-colored variety.....	6.00	50.00
Prosper Henry (Dwarf). Large compact truss of pure white with bright crimson-carmine centre.....	6.00	50.00
Siebold (Dwarf). An improvement on the popular scarlet "Coquelicot," brighter and stronger.....	10.00	90.00
George A. Stroblein (Medium). Bright scarlet, with crimson-red eye; does not bleach.....	10.00	90.00
Mme. Paul Dutrie (Medium). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large, and borne in panicles of immense size.....	10.00	90.00
Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.....	6.00	50.00
Von Hochberg (Medium). The ideal crimson Phlox; the richest of its color.....	10.00	90.00



General Collection of Hardy Phlox.

Best Scarlet and Red Varieties.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.
Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.
Etna (Medium). Crimson red suffused with fiery red; cherry-red eye.
Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.
General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.
Pêcheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet, fine.
R. P. Struthers (Tall). Rosy carmine, with claret-red eye, fine.
Price: Any of the Scarlet or Red Varieties, \$6.00 per 100; \$50.00 per 1000.

Best White Varieties.

Albion (Tall). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
Diadem (Dwarf). A fine dwarf, pure white.
Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.
Jeanne d'Arc (Tall). A good standard late white.
Louise Abbema (Dwarf). A dwarf pure white of fine form.
Mrs. Jenkins (Tall). The best tall early white for massing.
Price: Any of the White Varieties, \$5.00 per 100; \$40.00 per 1000.

Best Pink and Rose-colored Varieties.

Bacchante (Tall). Tyrian rose with crimson-carmine eye.
Caran d'Ache (Dwarf). Geranium-red, with old rose shadings and white eye; very effective.
Clara Benz (Dwarf). Lovely carmine rose, with darker eye.
General Giovaninelli (Dwarf). Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.
La Vague (Medium). Pure mauve, with aniline-red eye.
Pacha (Dwarf). Deep rose pink, suffused with Solferino-red and carmine-purple eye.
Pantheon (Tall). Bright carmine rose.
Selma (Tall). Large flower, pale rose mauve, with claret-red eye.
Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.
Price: Any of the Pink or Rose sorts, \$5.00 per 100; \$40.00 per 1000.

Best Purple and Crimson Varieties.

B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.
Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Chevalier de Boufflers (Medium). Deep reddish violet, with brighter shadings.
Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.
Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.
Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre with an exceptionally large white centre.
La Foudre (Tall). Rich glowing French purple, shading crimson.
Le Mahdi (Tall). Deep reddish violet, with darker eye.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
Price: Any of the Purple and Crimson sorts; \$5.00 per 100; \$40.00 per 1000.

Best Light Varieties With Dark Eyes.

Bridesmaid (Tall). White, with large crimson-carmine centre.
Colibri (Tall). White, with crimson-carmine centre; very late.
Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.
H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.
Price: Any of the Light Varieties with Dark Eyes, \$5.00 per 100; \$40.00 per 1000.

Best Mottled Varieties.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.
Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.
Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.
Price: Any of the Mottled Varieties, \$5.00 per 100; \$40.00 per 1000.

Phlox Sufruticosa—Miss Lingard.

Extra strong plants of this valuable early white flowering variety \$6.00 per 100; \$50.00 per 1000.

For the most complete assortment of Hardy Perennials offered in America, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

TRIAL GROUNDS OF THE NATIONAL SWEET PEA SOCIETY.

The readers of HORTICULTURE will undoubtedly be interested in the progress of the work of the nomenclature committee of the National Sweet Pea Society. Allow me to present a brief outline of the work in progress and in anticipation as follows. The committee, composed of M. Fuld, Arlington, Mass.; A. T. Boddington, New York; William Sim, Cliftondale, Mass.; with the writer as chairman, were especially enjoined by the Society to state the practical aspects of the whole question. These features may be substantially summed up in the (a) elimination of synonyms and (b) the testing of new aspirants for public favor. In addition to these points it has been thought advisable to give some attention to cultural studies, with special reference to adaptations of varieties to fall and spring seeding and the influence of the time of seeding upon the resultant crop. Successful plantings of a few standard varieties are being made this fall and additional plantings of these varieties will be made again next spring.

The soil selected is a well drained clay loam, somewhat rolling in character but fairly uniform in its physical make-up.

Generous collections of seed have already been received from A. T. Boddington and Rawson & Company of Boston. An extensive correspondence has been entered into with the sweet pea growers of the United States and the old country for the purpose of enlisting the interest of originators of sweet peas. The immediate responsibility and care of the test grounds have been placed in the hands of Mr. A. C. Beal, a Cornell graduate who has been florist to the University of Illinois for several years and who now returns to Cornell for further post-graduate study.

I trust that all persons wishing to extend the interest in and knowledge of one of our beautiful annual flowers will join the Sweet Pea Society and aid the movement. I may add for general information that the secretary is Mr. Harry A. Bunyard, 342 W. 14th St., New York.

Let me repeat again, that correspondence regarding varieties, history and culture is solicited from seedsmen and originators.

JOHN CRAIG,
Chairman Com. on Nomenclature.

PUBLICATION RECEIVED.

Nut Notes, a bulletin issued monthly by the Publicity Committee of the National Nut Growers' Association for the purpose of giving reliable information regarding this industry through agricultural journals and prominent papers has been received from the office of J. F. Wilson, secretary, Poulan, Ga. Something on similar lines has often been suggested for adoption for the S. A. F. Undoubtedly it would be favorably received by the S. A. F. members and would do much to maintain that continuous touch between officers and members throughout the year which has been "a long-felt want."

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Greenhouse Grown Seed.

100 Seeds.....	\$ 0.50
500 ".....	2.00
1,000 ".....	3.50
5,000 ".....	16.00
10,000 ".....	30.00

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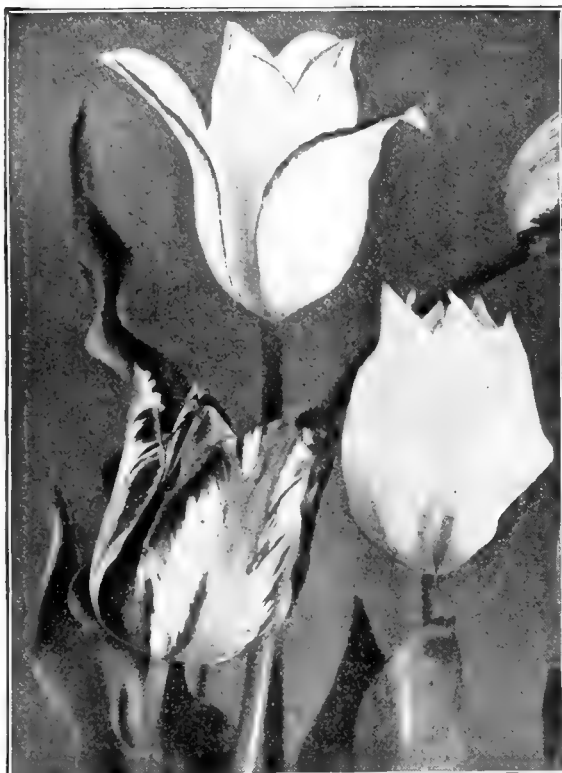
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Beauty of America. Creamy white, turning pink.....	\$1 00	\$3 00
Bizarres. Handsome, rich flowers, with yellow ground; finest mixed.....	75	6 00
Bouton d'Or. Deep golden yellow; very handsome flowers.....	85	7 50
Bridesmaid. Lovely soft pink.....	85	7 50
Bybloems (Roses). White ground, blotched, striped or feathered with lilac.....	85	7 50
Bybloems (Violets). White ground, striped and blotched purple and blue.....	90	8 00
Darwin. Very large flowers. They include every known shade.....	85	7 50
Golden Crown. Large, bright yellow.....	1 00	7 50
Gesneriana, Scarlet (true). Largest and handsomest of all Tulips; fine for Decoration Day.....	1 25	10 00
Macropseila. Crimson-scarlet, black center.....	85	7 50
Isabella (Shandon Bells). Carmine-rose, shaded creamy white.....	1 00	9 00
Maiden's Blush, or Picotee. Clear white, margined on the edge with pink, pointed and reflexed petals; most beautiful.....	90	8 00

decoration when placed in vases or low bowls.	100	1000
Admiral de Constantinople. Large; red, yellow edge.	\$0 85	\$7 50
Cramoisie Brillante. Rich blood-crimson, with bluish markings	85	7 50
Lutea major. Large, showy yellow	75	7 00
Markgraaf von Baden. Red and yellow, orange inside; very showy	1 00	9 00
Perfecta. Yellow, striped red	85	7 50
Superfine Mixed Parrot Tulips	75	6 00



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Of Interest to Retail Florists

The beautiful
WASHINGTON weather of the
past week has
tempted an unusual number of buyers
out and all the retailers to a man re-
port trade decidedly on the increase.
With all outside bloom killed the de-
mand for greenhouse flowers went
steadily up the scale. The first sweet
peas are being shown and are excep-
tionally good. Violets, too, are com-
ing in, in limited quantities but the
weather continues too warm for
length of stem.

STEAMER DEPARTURES

Allan Line.

Livonian, Boston-Glasgow....Nov. 3

Tunisian, Montreal-Liverpool..Nov. 5

Corinthian, Montreal-London..Nov. 6

Pretorian, Montreal-Glasgow..Nov. 6

American.

St. Paul, N. Y.-Shampton....Nov. 6

Atlantic Transport.

Minneapolis, N. Y.-London....Nov. 6

Cunard.

Saxonia, Boston-Liverpool....Nov. 2

Mauretania, N. Y.-Liverpool..Nov. 3

Caronia, N. Y.-Mediterranean..Nov. 6

French Line.

La Touraine, N. Y.-Havre....Nov. 4

Hamburg-American.

Bluecher, N. Y.-Hamburg....Nov. 3

Amerika, N. Y.-Hamburg....Nov. 6

Leyland Line.

Devonian, Boston-Liverpool..Nov. 3

North German Lloyd.

K. Pr. Wilhelm, N. Y.-B'm'n..Nov. 2

Berlin, N. Y.-Mediterranean..Nov. 6

K. P'z'n Cecilie, N. Y.-B'm'n..Nov. 9

Red Star.

Kroonland, N. Y.-Antwerp....Nov. 3

Lapland, N. Y.-Antwerp....Nov. 10

White Star.

Baltic, N. Y.-Liverpool.....Nov. 6

NEW FLOWER STORES.

Muncie, Ind.—Williams & Clark, 111
E. Main St.

Malden, Mass.—J. J. McCormack, 31
Pleasant St.

Chicago, Ill.—C. A. Samuelson,
Michigan Ave.

Brooklyn, N. Y.—P. Mallon & Son,
10 Hanover Pl.

Cleveland, O.—J. A. Smith, 8025
Wade Park Ave.

New York City.—Smart Set Floral
94a Hampshire St.

St. Louis, Mo.—Otto Sander, Mary-
land Hotel, 9th St.

Cambridge, Mass.—Matt. Farrell,
Co., 2297 Broadway.

Los Angeles, Cal.—Curtett & Gil-
mot, 7th St., near Broadway.

The annual exhibition of the Mon-
mouth County Horticultural Society,
will take place in the armory on Mon-
mouth street, Red Bank, N. J., on
Wednesday and Thursday, November
3 and 4. Chrysanthemums, carnations
and orchids will form the principal
displays. Among the special prizes
will be a \$50 cup for the best new
carnation, given by Charles H. Totty,
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Laurel, Cedar, Pine and Autumn
Branches for all decorations,
50c. up.

Rustic Cedar Bark, 100 sq. ft.,
\$.25 in b'd's.

Grape Vine, per coll, \$.20.

Cedar Post and Poles, per ft.,
3c. up.

Loose Laurel, per bbl., \$1.00.

Pine Cones on branches, per
bbl., \$1.50.

Green, Sheet and Sphagnum
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tion HORTICULTURE.

PERSONAL.

Visiting Boston—Eugene Andre,
Trinidad, W. I.

Carl Diedrick is now in the employ
of Samuel Banks, Westport, Conn.

Miss Amanda Taepke and Bert Ha-
berkorn were married at Detroit, Mich.,
on October 20.

Miss Blanche Newcomb has entered
the employ of Hannaford, the florist,
Westbrook, Mass.

Miss Widrig, formerly of Memphis,
has taken a position in the store of
the Joy Floral Co., Nashville, Tenn.

Thomas Roland of Nahant, Mass.,
served as a judge at the exhibition of
the Lenox Horticultural Society, this
week.

Andrew D. Gallivan of Gallivan
Bros., florists, of Holyoke, Mass., was
married to Miss Julia Hallissey at
Springfield, on October 27.

W. Wells of Merstham, Eng., the
celebrated chrysanthemum expert,
sailed for New York on the Maure-
tania, Saturday, Oct. 23, and will be
the guest of C. H. Totty in Madison,
N. J., for several weeks.

Visitors in Philadelphia: Jno. N.
May and wife, Summit, N. J.; R. G.
Bowersox, Lewistown, Pa.; Geo. Salt-
ford, New York City; Parker Thayer
Barnes, Harrisburg, Pa.; Miss Matilda
Held, representing Mrs. Chas. Held,
Baltimore, Md.

Adin A. Hixon, secretary of the Wor-
cester County Horticultural Society is
seriously ill at his home in Worcester,
Mass. Mr. Hixon has been in poor
health for some time, but was taken
ill in Boston on Thursday while at-
tending the New England apple show.
He was at his desk in Horticultural
Hall part of Friday, but was compelled
to go home in the afternoon.

Since then he has been under the
care of a physician and is confined to
his bed.

EXHIBITION AT SAN FRANCISCO.

The Portola Flower Show under the
management of the Pacific Horticul-
tural and California State Floral So-
cieties, closed October 16, after at-
tracting an unusually large crowd dur-
ing three days at the Fairmont Hotel.

The first prize for flower filled ham-
pers was awarded to Pelicano & Rossi,
whose exhibit was a beautiful display.
The second prize for a hamper of mis-
cellaneous flowers went to the Art
Floral Company. The sweepstake
prize went to H. Plath as the winner
of the greatest number of exhibits, in
cash. S. E. Slade ranked second and
the Art Floral Company third.

One of the most beautiful features
was the display of tuberous begonias.
Three large tables were filled with
these flowers from the Henry E. Both-
in place, Ross Valley.

The artistic arrangement of set
pieces was a striking feature. Notice-
able among these was the Venetian
water scene. The back wall was of
maidenhair ferns, arched over with
Liberty roses and ferns. Columns of
coreopsis, the brackets of gailardias,
with a gondola on the pond of the
same flowers.

The judges of the show, who passed
on the entire display, were John More-
ly, superintendent of parks at Los An-
geles; Robert Armstrong, also from
the southern city, and William Hert-
rich of San Gabriel.

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NEW BEDFORD NOTES.

White and Pink Ivory at this date
and Adelaide and Yellow Bonnaillon to
follow them are the leading mid-sea-
son chrysanthemums in this market
this season. Wm. P. Peirce has them
in excellent quality and R. E. Nofftz
is already in with Bonnaillon. At the
greenhouses of R. H. Woodhouse are
to be seen as usual, many novelties in
chrysanthemums. Last year this
grower bought and tested twenty-six
highly praised varieties and of them
he has only retained three. He is
recognized here as an expert and crit-
ic. Outdoor flowers are all gone with
the exception of a few stragglers in
sheltered spots. Business in floral and
nursery lines is reported good, all
around.

Visitors last week were: John Fitz-
harris of Roseville Pottery Co., Zanes-
ville, O.; A. Zirkmann, representing
M. Rice & Co., and S. D. Green repre-
senting H. Bayersdorfer & Co., Phila-
delphia.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1700
Broadway.
Washington, D.C.—Gude Bros., 1214 F. St.
Chicago—Hauswirth, "The Florist," 232
Michigan Ave.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Chicago—George Wittbold Co., 1657-59
Buckingham Place.
Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boyl-
ston St.
Boston—Hoffman, Florist, 59-61 Massa-
chusetts av.
Boston—Julius A. Zinn, 2 Beacon St.
Wellesley, Mass.—Tallby.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071
Broadway.
Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.
Albany, N. Y.—F. A. Danker, 40 Maiden
Lane.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Young & Nugent, 42 W. 28th
St.
New York—M. A. Bowe, 1294 Broadway.
Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Montreal, Can.—P. McKenna & Son, St.
Catherine and Gay Sts.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

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Write for quotations on large quantities.

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ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

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Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Oct. 26	TWIN CITIES Oct. 25	PHILA. Oct. 26	BOSTON Oct. 27
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	25.00 to 30.00	25.00 to 30.00	12.00 to 20.00
" Exura.....	15.00 to 20.00	15.00 to 25.00	15.00 to 20.00	8.00 to 10.00
" No. 1.....	10.00 to 15.00	10.00 to 15.00	10.00 to 12.00	4.00 to 6.00
" Lower grades.....	5.00 to 10.00	6.00 to 10.00	8.00 to 10.00	2.00 to 3.00
Bride, Maid, Chateaux, F. & S.....	5.00 to 8.00	6.00 to 8.00	5.00 to 6.00	2.00 to 5.00
" Lower grades.....	3.00 to 4.00	4.00 to 6.00	3.00 to 4.00	.25 to 1.00
Killarney, Fan, & Sp.....	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	2.00 to 6.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	.25 to 1.00
Richmond, Fancy & Special.....	5.00 to 8.00	6.00 to 7.00	5.00 to 6.00	2.00 to 6.00
" Lower grades.....	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00	.50 to 1.00
My Maryland.....	5.00 to 10.00	4.00 to 8.00	3.00 to 8.00	.50 to 6.00
CARNATIONS, Nov. and Fan,				
Ordinary.....	2.50 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
"	2.00 to 2.50	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Chrysanthemums, fancy.....	10.00 to 15.00	10.00 to 15.00	15.00 to 25.00	..... to
ordinary.....	10.00 to 20.00	4.00 to 10.00	8.00 to 12.50	8.00 to 12.00
Cattleyas.....	60.00 to 75.00	40.00 to 60.00	40.00 to	20.00 to 30.00
Lilies.....	12.00 to 15.00	12.50 to 15.00	10.00 to 12.50	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Violets.....	..... to .....	.50 to .75	.50 to .75	.25 to .50
Mignonette.....	..... to .....	..... to .....	..... to .....	.50 to 1.00
Sweet Peas.....	..... to .....	..... to .....	..... to .....	..... to
Gardenias.....	30.00 to 50.00	20.00 to 30.00	25.00 to	20.00 to 25.00
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to .....	.75 to 1.00
Smilax.....	12.00 to 15.00	10.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100)	40.00 to 60.00	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00
" " & Spren. (100 bchs.)	25.00 to 30.00	25.00 to 35.00 to 50.00	15.00 to 25.00

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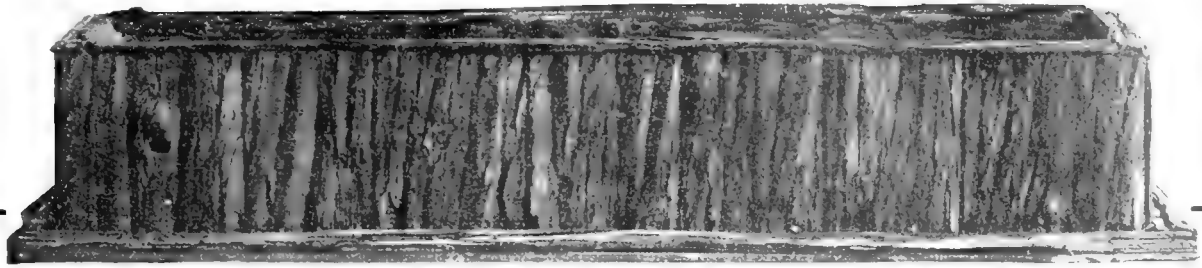
In our **GREENS DEPARTMENT** we have new crop Leucothoe, \$7.50 per 1000; \$1.00 per 100; Bronze Galax, the only stock in New England; Green Galax, new crop; New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

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Flower Market Reports.

BOSTON

Serenity rules the market this week, the conditions having improved very materially. Chrysanthemums of the medium grades are selling well but there is little room for the high-priced blooms. Carnations are slowly outgrowing their recent handicap of short stems and are of excellent quality, bringing a better price than they usually do in chrysanthemum time. Killarney, Maryland, White Killarney, Bride and Bridesmaid roses are fine and selling satisfactorily. There are still some Kaiserins and Carnots in market but they show the effects of approaching cold weather and are getting ready to hibernate. The rose situation is much better than it was a week ago. Violets are improved in quality. Singles are again preferred over doubles as in the past two years. Orchids and gardenias are holding their own well.

BUFFALO

Plenty of rain and inclement weather was had the past week though trade was quite satisfactory. There was sufficient stock to be had in all lines except carnations which are still slow in coming in and hardly enough to supply the demand. In the rose line Beauties continue of excellent quality and so far have sold well. Killarney and My Maryland are improving. White Killarney from local growers is finding its way to the front. Bonsilenes are in steady demand. Chrysanthemums are cleaning up well and very few are left after the day's business; the later varieties are gradually coming on, amongst them being Duckham, Poehlmann, Pride and others. Violets, lily of the valley and cattleyas are having a better call than the previous week.

CHICAGO

The cry seems still to be for more stock. While there is a sufficient amount of certain kinds on certain days the supply in general can hardly be said to cover the demand. The exception is in chrysanthemums of which a good supply is now coming in. Virginia Poehlmann is a favorite white and Halliday is the best yellow now

in the market, but some complaint is made that the blooms of the latter are showing centers too much this year. Touset is at its best this week. Of American Beauties there is just about the right quantity. Stems fully 50 inches long are easily found and the mediums are moving as rapidly as the supply warrants. Carnations are scarce and bringing a good, stiff price. Violets from the East are competing with the home-grown ones and neither are selling rapidly. The home-grown ones are perhaps a little ahead on account of their fragrance.

We are happy to report a greatly improved market here.

The early part of last week was not so good, but the wind-up was excellent and at this writing trading is brisk and healthy with prospects of the best for the near future. American Beauty roses lead the market with enhanced values and improved quality. Richmonds are good and on the scarce side, if anything.

Brides and Bridesmaids remain about normal, with quality in favor of the latter. Killarneys and Marylands are steadily improving as to stem and flower, and meet with ready market. Carnations are still scarce and are cleaning up well. Some extra well-grown Queens are coming in—so good, in fact, that the experts could hardly believe that they were Queens. White Perfection, Bountiful, Rose Pink Enchantress, Winsor, Victory and Harlowarden, are among the leaders. Beacon is the finest on the list. Chrysanthemums are plentiful and moving off in fair shape. There is no glut as yet. Beatrice May and Yellow Eaton are the top-notchers. Virginia Poehlmann, Appleton, Ivory and Halliday are excellent, and there are still a few good Tousets around. Orchids are shortening up. Violets are more plentiful and improving in quality—Marie Louise, Princess and California mostly. Lily of the valley and gardenias normal. Mignonette just commencing.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI Oct. 26	DETROIT Oct. 24	BUFFALO Oct. 26	PITTSBURG Oct. 25
ROSES				
Am. Beauty, Fan. and Sp.....	25.00 to 35.00	30.00 to 35.00	20.00 to 25.00	25.00 to 35.00
" Extra	15.00 to 20.00	25.00 to 30.00	15.00 to 20.00	15.00 to 20.00
" No. 1.....	8.00 to 15.00	18.00 to 22.00	6.00 to 8.00	8.00 to 12.00
" Lower grades.....	4.00 to 6.00	4.00 to 16.00	2.00 to 6.00	3.00 to 4.00
Bride, "Maid, Chateauf, F. & S.....	6.00 to 8.00	4.00 to 6.00	..... to 8.00	6.00 to 8.00
" Low. gr.....	3.00 to 6.00	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00
Killarney, Fan. & Sp.....	6.00 to 8.00	4.00 to 6.00	..... to 8.00	8.00 to 10.00
" Lower grades.....	3.00 to 6.00	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00
Richmond, Fancy & Special.....	6.00 to 8.00	4.00 to 6.00	5.00 to 6.00	6.00 to 10.00
" Lower grades.....	3.00 to 6.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
My Maryland.....	6.00 to 8.00	4.00 to 6.00	3.00 to 8.00	4.00 to 10.00
CARNATIONS, Novelties and Fancy				
" Ordinary	3.00 to 4.00	..... to 3.00	..... to 3.00	3.00 to 4.00
MISCELLANEOUS				
Chrysanthemums, Fancy	10.00 to 20.00	..... to .....	..... to	15.00 to 25.00
" Ordinary.....	6.00 to 10.00	12.50 to 25.00	8.00 to 25.00	8.00 to 10.00
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	..... to 75.00	50.00 to 75.00
Lilies.....	12.50 to 15.00	12.50 to 15.00	10.00 to 15.00	..... to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	.25 to .....	.50 to .60	.50 to .60	.75 to 1.00
Mignonette .....	..... to .....	..... to	1.00 to 1.50	..... to
Sweet Peas.....	..... to .....	..... to .....	..... to .....	.50 to 1.00
Gardenias.....	..... to	25.00 to 35.00	..... to 25.00	..... to
Adiantum.....	2.00 to	1.50 to .....	.50 to 1.50	1.00 to 1.50
Smilax.....	12.50 to 20.00	15.00 to 20.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	30.00 to 50.00	25.00 to 50.00	35.00 to 50.00
" " & Sprea. (100 bchs.)	25.00 to 35.00	30.00 to 50.00	25.00 to 50.00	35.00 to 50.00

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ROSES AND CARNATIONS	Last Half of Week ending Oct. 23 1909		First Half of Week beginning Oct. 25 1909	
American Beauty, Fancy and Special.....	12.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 12.00	8.00	to 12.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Killarney, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Chatenay.....	.50	to 5.00	.50	to 5.00
My Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

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 \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
 SPRAYS, 75c, 100. GREEN SHEET
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and then count the other parties

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ters, etc. Every Letter Marked.

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W. J. COWEE, BERLIN, N. Y.

25,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 615)

NEW YORK We have reached the end of the earlier varieties of chrysanthemums and many fine blooms of mid-season flowers are coming along in quantity. The market is still unsettled and is likely to remain so, with exceptions, for several weeks to come. Chrysanthemums are the dominant factor and are selling at figures that compare favorably with last year. Ivory and Bonnaffon are just coming in and good blooms are not difficult to dispose of. Roses are steadily improving in size and substance. Beauties of first class quality seem to move at a price, but inferior stock has to be sold cheap. The price difference between the good and the bad is considerable. Of the small roses, Maryland has somewhat of an advantage over all the other pink varieties, though it is only the few selected flowers that bring a price. Pink and white Killarneys are plentiful and cheap. The Bridesmaid crop is off at present, Brides being heavier in supply. Carnations are improving in quality and not so numerous as to suffer in price. They are selling fairly well—better than roses. Lily of the valley holds its own—has been doing very well for the past month. The price of cattleyas has stiffened considerably; supply light. Violets enjoyed a spurt for a couple of days due

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106 W. 28th St.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 23 1909		First Half of Week beginning Oct. 25 1909	
Cattleyas	25.00	to 40.00	25.00	to 50.00
Lilies	4.00	to 6.00	4.00	to 8.00
Lily of the Valley	1.00	to 3.00	2.00	to 4.00
Chrysanthemums	8.00	to 15.00	8.00	to 15.00
Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Violets.....	.20	to .50	.20	to .50
Gardenias	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
SamMax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus , strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (too bchs).....	12.00	to 20.00	12.00	to 20.00

to funeral work and reduced receipts. It cannot be said, however, that they are any more popular with the best trade. The ordinary run of green stock is plentiful enough but is generally cleaned up at fair figures.

A BOSTON PLANT GROWING ESTABLISHMENT.

The greenhouses of the W. W. Edgar Company at Waverley, Mass., which in the time of its founder, the late W. W. Edgar, were one of the show places for good culture are, under the skillful management of H. H. Bartsch, fully holding their record and never looked finer than they do today. Azaleas, of which there are about 15,000, have been coming in and are being potted up as rapidly as possible. For the large sizes the low-stature pots are used exclusively and the saving in soil and weight is considerable. The varieties in largest quantity are Simon Mardner, Vervaeana, Firefly (Hexe) and Vander Cruysen. The latter, although not classed among the earliest bloomers, have their buds so large and well advanced that it is expected they can be had in bloom for the holidays. In fact, the azalea stock throughout has rarely been equalled for perfect condition of foliage and number and condition of buds.

Among the other stock of timely interest are the poinsettias, of which there is a house full, in all sizes from a few inches high up to big pans of

several large specimens, Lorraine Begonias from tiny thumb-pot size for table compositions up to exhibition plants, obconica primroses, cyclamens, genistas, acacias and little ferns of all sorts.

Pompon chrysanthemums, about 14 plants in a box 28 inches long, make fine subjects for church or hall decorations or florists' store window displays. Among the chrysanthemums for cut blooms, either in flower or rapidly opening are Rieman, Alice Byron, Touse, Bonnaffon, Merza, Eaton and Shrimpton—the latter provided especially for the rooters for the Crimson in the Harvard-Yale football game scheduled for next month.

Herbert E. George who has for the last 3 years been in the employ of Chas. Winsel, seedsman and nurseryman of Los Angeles, Cal., has resigned to go into business at Covina, Cal. Mr. George intends to devote his time principally to rose growing and high-class shrubbery. He will join partnership with Wm. Dibble. The firm will be known as George & Dibble Co.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ASPARAGUS

Elmer D. Smith & Co., Adrian, Mich.
Asparagus Sprengeri and Tenuissimus.
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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.
Asparagus Sprengeri, 2½ in. pots, strong plants, \$2.50 per 100. Virginia Nursery Co., Purcellville, Va.
Asparagus Sprengeri, 2 in., 2c. Hamerschmidt & Clark, Medina, O.
Asparagus Sprengeri, strong, 2-in., 2c. H. Klahr, Schoharie, N. Y.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

Boblink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Rex Begonias. A fine assortment of 12 named varieties from 2½ in. pots, strong plants, \$4.00 per 100. Virginia Nursery Co., Purcellville, Va.
Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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Lily Bulbs, Horseshoe Brand.
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French and Dutch Bulbs.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Narcissi, Chinese Sacred Lilies, Hyacinths, Lillium Longiflorum.
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CARNATIONS

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S. J. Reuter & Son, Westerly, R. I.
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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.
Carnation Admiration.
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M. J. Shaaf, Dansville, N. Y.
Carnation Plants.
UNUSUALLY FINE STOCK.
White Enchantress, \$60 per 1000; R. P. Enchantress, \$50 per 1000. Satisfaction guaranteed. Cash, or C. O. D. A. J. Stahelin, Redford, Mich.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galeburg, Ill.

CEDAR BARK

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For Covering Window Boxes.
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CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
25,000 stock plants Golden Glow, October Frost, \$25 per 1000, to clear benches. I. M. Rayner, Greenport, N. Y.

CINERARIAS

Cinerarias, extra fine, 3 in., \$4.00 per 100. Wettlin Floral Co., Hornell, N. Y.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Bangor Box Co., Bangor, Me.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen giganteum, mixed, 2-in., 3c. H. Klahr, Schoharie, N. Y.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Atco, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DAISIES

Queen Alexandra Daisies, rooted cuttings, \$1.00 per 100. Shasta Daisy Alaska, large field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Nephrolepis Elegantisima Compacta.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

Farleyense.

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Randolph & McClements, Pittsburg, Pa.

Boston Ferns.

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Ferns. Boston, 2 1/4-in., 3/2-c.; \$30.00 1000; 3-in., strong, \$9.00 100; 4-in., strong, \$15.00 100. Whitman, 2 1/4-in., 3-c., \$25.00 1000; 4-in., \$15.00 100. Nephrolepis davallioides fucans, the fish tail fern, fine stock, 2 1/2-in., 4-c.; 4-in., \$15.00 100. Dwarf ferns for fern dishes. 6 best sorts, in fine condition, 2-c.; \$18.00 1000. The Good & Reese Co., Springfield, Ohio.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

German Kali Works, 93 Nassau St., New York, N. Y.

Potash.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Immortelle Letters.

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Reed & Keller, 122 W. 25th St., New York.

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Rosens, 48 West 29th St., New York City.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc.

Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.

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FREESIAs

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.

Galax and Leucothoe.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poltevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

Surplus stock of choice named gladioli. Also bulbs and bulblets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.

Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pomeroy, Prop., Amelia, O. Largest gold fish hatchery in the world.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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Pecky Cypress for Benches.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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Hedge Plants for Fall Delivery.

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HYACINTHS

James Vick's Sons, Rochester, N. Y.

Double Hyacinths Special.

HYDEANGEAS.

American Everblooming Hydrangea (H. Arborescens Grandiflora alba), heavy two-year plants for agents' use. Peonia Festiva Maxima and Queen Victoria, low per 1000. One hundred other choice varieties of Peonias at low prices. The E. Y. Teas Co., Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co., Eleventh St., Owensboro, Ky.

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Stump & Walter Co., 50 Barclay St., New York.

Killdead Tobacco Dust.

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In writing to Advertisers kindly mention Horticulture

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IRIS

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Iris, all types. Very select list. C. Betscher, Canal Dover, O.

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Eastern Nurseries, Jamaica Plain, Mass.
Trees, Shrubs, Evergreens, Vines and Herbaceous Stock.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.
Shade and Fruit Trees, Hedge, Berry Plants, Asparagus Roots, Rhubarb.
Kentucky Nursery Co., Louisville, Ky.

UNION SETS

Leonard Seed Co., Chicago, Ill.
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Winter top union sets. We can furnish any quantity, \$2.00 per 100 lbs. Meier & Shoemaker, Sycamore St., Cincinnati, Ohio.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordonez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigbium Arrived.
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Stuart Low & Co., Bush Hill Park, Enfield, Eng.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

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A. N. Pierson, Cromwell, Conn.
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PANSY PLANTS.

Aug. Zirngibel, S. Norwich, N. Y.
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BROWN'S PANSIES.

Extra select, superb giant, mixed pansy plants, \$2.50 per 1000; \$20.00 per 10,000. Cash with order. Peter Brown, 124 Ruby St., Lancaster, Pa.

The KENILWORTH STRAIN of giant pansies, strong plants, 1000, \$3.00; 100 prepaid, 50c. RAINBOW blend contain the latest introductions of giant pansies, 1000, \$2.50; 100 prepaid, 45c. Chas. Frost, Kenilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

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S. G. Harris, Tarrytown, N. Y.
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Sunnyfield Nursery Co., Poughkeepsie, N. Y.
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Peonies, 1200 sorts, big stock. Send for list. Largest collection anywhere. C. Betscher, Canal Dover, O.
Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfield, Westpoint, Nebr.
Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcosie, Mo.
Peonies, to color. Pink and rose, \$5.00 100, \$10.00 1000; red and white, \$6.00 100, \$50.00 1000; all colors mixed, \$4.00 100, \$30.00 1000. Send for list of named peonies; we are large growers. The Good & Reese Co., Springfield, Ohio.

PHLOXES

Henry A. Dreer, 714 Chestnut St., Phila.
Hardy Perennials.
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Old Town Nurseries, So. Natick, Mass.
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Sunnyfield Nursery Co., Poughkeepsie, N. Y.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 360-75 So. Erie St., Toledo, O.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinesalis.
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Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Ronsdorfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primula, Chinese, finest fringed strains, 2½ and 3 in., \$3.50 per 100. Obconica, 2 in., \$2.50 per 100; 3 in., \$4.00 per 100. Wettlin Floral Co., Hornell, N. Y.

Primula Polyanthus, strong plants from field; can be divided, \$3.00 per 100; \$45.00 per 1000. H. Hansen, Malden, Mass.

Primroses, Chinese, strong, 3-in., 3c. H. Klahr, Schoharie, N. Y.

Primula, Chinese, 2½ in., 2c.; 3 in., 4c. Obconica gigantea rosea, 2½ in., 2c. Extra fine. Hammerschmidt & Clark, Medina, O.

Primula obconica, 3 sorts, 2½-in. pots, 2½c.; \$20.00 1000. Primula, Chinese, 3 colors, 2½-in. pots, 2½c.; \$22.50 1000. The Good & Reese Co., Springfield, Ohio.

PRIVET

Harrison's Nurseries, Berlin, Md.
Privet Hedge by the Mile.
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CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.
AMOR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

California Privet, well rooted and well graded. Write for prices. John H. Lane, Little Silver, N. J.

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American Crown Roses.
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Julius Rochrs Co., Rutherford, N. J.
Rambler Rose; Newport Fairy.
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The Rose, by H. B. Ellwanger; mailed
for \$1.80 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Roses. Send us your list to price. Cata-
logue free. The Good & Reese Co., Largest
Rose Growers in the World, Springfield,
Ohio.

Field-grown roses. T's and H's, 1 to 4
ft., \$10.00 per 100; Ramblers, \$6.00 per 100.
Wm. K. Nelson, Augusta, Ga.

RUBBERS

Rubbers, 12 to 15 in. high, \$3.00 doz.,
\$25.00 100; 15 to 20 in. high, \$4.00 doz.,
\$30.00 100. The Good & Reese Co., Spring-
field, Ohio.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langgstraede 20, Copenhagen, Denmark.
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SMILAX

Smilax, 2½-in., \$1.50 per 100. Cash with
order. L. Menand, Albany, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

A full stock of moss on hand all year
around. Sphagnum moss, \$1.50 per bale;
sheet green moss, \$2.50 per bbl.; clump
moss, 75c. per bag. H. Kenney, 88 Roches-
ter Ave., Brooklyn, N. Y.

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20th Century Ventilating Arm.
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VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VINCAS

Vinca variegata, field-grown, medium
strong, 2½c., \$20.00 1000; strong, \$35.00
1000. The Good & Reese Co., Springfield,
Ohio.

Vinca rosea and alba, 2½ in., extra fine,
\$1.75 per 100. Hammerschmidt & Clark,
Medina, O.

VIOLETS.

Charles H. Green, Spencer, Mass.
Violets Field Grown.
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Field-grown Princess of Wales violet
plants, \$3.00 per 100. Virginia Nursery
Co., Purcellville, Va.

1200 strong field-grown Princess Violet
plants, \$5.00 per 100; \$50 for the lot.
H. Hansen, Malden, Mass.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost.
Our specialty—100 assorted designs, \$10.00.
H. Kenney, 88 Rochester Ave., Brooklyn,
N. Y.

WHOLESALE FLORISTS**Boston**

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CHICAGO NOTES.

Some Plant Growers.

The supply in the plant line promises to be all that can be desired for the holidays. Azaleas have been arriving very freely the past week. The buds this year are much smaller than usual, and some fear is expressed that the plants may not be at their best in time for the holidays. Belgium growers state that the season has not been favorable, and that stock another year is liable to be much smaller in consequence.

Sam Pearse was one of the first men to enter the plant business in Chicago. Twenty-two years ago he bought his place on Clybourne avenue, where he had a clear field around him. This is now in the very heart of a manufacturing district, and as a result his great brick smoke stack is ornamented with "for sale" signs and Sam some day will try another "far out" location and very possibly live to see the city crowd upon him again, for he is still one of the young men with a wife who is his right hand in business and eight sturdy youngsters to help some day. Twenty-five hundred azaleas are being potted up and bulbous stock is being rapidly boxed for forcing. There are 10,000 cold-storage longiflorum giganteums and other lilies in all stages from bulbs just starting up to plants in flower. Giganteum he prefers to Formosa. Multiflorum is favored, other than as cold storage. A big stock of poinsettias for cutting and in pans is coming on.

John Lang built his range of houses nearly a quarter of a century ago, and his local trade has lately made the growing of cut flowers more of a necessity than plants, consequently this year nearly all his glass is devoted to that purpose and to bedding stock, and he plans his chrysanthemums and carnations to be out of the way in time for the latter. Mr. Lang has bought ten acres of land farther out and in the near future will build an up-to-date range of houses.

Peter Sroczynski, better known as (and far more easily pronounced) "Big Pete," who has a very fine place, also finds the cut flower trade crowding out the plants. The city has grown up to him, but it has brought the retail business to his door and thus the city's growth often helps while it changes the nature of the business for the florist.

Frank Oechslin, the largest plant grower in the city, has developed his business in the last ten years. To those who visit this establishment far out on the West Side for the first time it is a revelation. Five delivery wagons carry his plants to the retail trade, north and south. These are modern, enclosed vehicles, with trays and fitted for warming during the cold weather. These wagons in the busy season are often seen far into the night returning or starting out with a load bound for points many miles distant. Mr. Oechslin's second carload of azaleas came in last week. In poinsettias from twelve to fifteen thousand are planned for this season, one-third of which are in five to ten-inch pans. Poinsettias as well as chrysanthemums here are

grown as plants only. Boston and Whitmani ferns, cyclamens and obconica primroses are grown in quantity. Baby Rambler roses are among the plants for Easter trade. Mr. Oechslin does a wholesale business only, and has the support of the trade accordingly.

General News.

The Chicago Woman's Club, an organization of great influence in Chicago and having a membership of 500, has set its influence toward the making of the City Beautiful. Last week it entertained representatives of the twenty-four improvement organizations this city has and Alderman Beilfuss, chairman of the Special Park Commission, and City Forester Prost gave addresses.

Harry B. Clow has purchased twenty acres of the Ferry tract at Lake Forest, Ill., and will spend \$100,000 on buildings and landscape gardening. Lake Forest is the home of many of the finest private estates in this country.

The big signs, "World's Greatest Flower Show," are conspicuous in the down town district and interest in the coming event is becoming more intense each day. Twelve local nurserymen will exhibit at the show.

The Warwick Flower Shop, 47th St. and Forestville Ave., has been purchased by C. J. Cleve Houck, formerly at 3411 Croton Ave., Cleveland, O.

Tickets for the Stag at the flower show are out. Price \$1.00.

Personal.

T. J. Corbrey left last Tuesday for his home in Long Beach, Cal., after several weeks' visit with his old friends in the wholesale business.

F. Benthey of the Benthey Coatsworth Co. is doing his duty as a citizen by serving on jury.

Mrs. W. E. Kelley, wife of the president of the Horticultural Society of Chicago, has been honored by Elmer D. Smith who names a beautiful new chrysanthemum after her.

Visitors.—A. Elberfeld, proprietor of the Alpha Floral Co. of Kansas City, Mo., accompanied by his wife; John A. Evans, Richmond, Ind.; D. B. Hazen, Batavia, Ill.; Mrs. Clara Brown, Jackson, Miss.; A. C. Brown, Springfield, O.

ILLUSTRATIONS

ARE

MONEY MAKERS

FOR

ADVERTISERS

A good illustration is often the means of making a sale, especially if it shows something new or novel.

We have in stock many of the cuts used in our reading articles, all of which show the best type of the subject illustrated and in an effective manner.

They should all prove effective for catalogue or advertising purposes and can be secured at about half price.

Tell us your requirements and we will send you proofs of cuts nearest suited to your needs.

HORTICULTURE PUBLISHING COMPANY

11 Hamilton Place, - Boston, Mass.

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Obituary.

E. Sutermeister.

This well-known grower for the Boston market was born in Boston in January, 1851, and worked as a boy and learned his business of florist with Lewis Davenport of Milton, Mass., whose daughter, Miss H. G. Davenport, he married. He died at the Emerson Hospital, Forest Hills, on Thursday night, October 21, after an operation for pancreatitis, of which he had a complicated case. His wife, one son, Edwin, a chemist in Madison, Wis., and one daughter, Margaret, survive him.

Mr. Sutermeister started in business



E. SUTERMEISTER

for himself in 1890 at Readville. He was one of the incorporators of the Co-operative Flower Growers' Market and has been a director of that institution for over ten years. His products, forced bulb stock, have always carried a high reputation. Personally, he was held in affectionate esteem by his associates in the trade. His disposition was cheery and companionable and his loss is deplored by all ranks and classes of the market frequenters. His home life was of the happiest.

Mrs. Gardiner G. Hubbard.

It is with deepest sorrow that we record the death of Mrs. Gertrude M. Hubbard, widow of Gardiner G. Hubbard and owner of the beautiful estate at Washington, D. C., known as Twin Oaks. Mrs. Hubbard was killed in a collision between a street car and her automobile on October 20. Half a century ago Mr. and Mrs. Hubbard were known as enthusiastic patrons of horticulture and at their spacious grounds and conservatories in Cambridge, Mass., everything new and interesting in fruit and flowers were to be found. At Twin Oaks the interest has been maintained and the accomplished gardener, Peter Bisset, has been encouraged in his valuable work on aquatics,

HELP WANTED

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED experienced vegetable and flower seed packer to take charge of packing room. Must know the seed business. Give reference and salary wanted. Gurney Seed Company, Yankton, South Dakota.

WANTED—Two reliable greenhouse men, good potters and understanding the work of a plant growing establishment generally. Good pay to the right men. Wm. W. Edgar Co., Waverley, Mass.

WANTED—First class propagator of carnations and general stock. Pay, \$60 a month. C. J., care HORTICULTURE.

MISCELLANEOUS WANTS

NOTICE TO ENGINEERS AND LANDSCAPE GARDENERS.

San Antonio, Texas, Oct. 6, 1909. The City of San Antonio invites competitive, suggestive plans for platting, designing and beautifying a new City Cemetery to be known as "Mission Cemetery." Topographical maps of the tract of land upon which said cemetery is to be established can be seen in the office of the City Engineer.

A cash prize or premium of Five Hundred (\$500.00) Dollars is offered for the best and most acceptable plan, a cash prize or premium of Three Hundred (\$300.00) Dollars for the second best plan, a cash prize or premium of Two Hundred (\$200.00) Dollars for the third best plan for so platting, designing and beautifying said cemetery, which prizes above mentioned will be awarded upon the recommendation of the Mayor and the Cemetery Committee of the City Council, who reserve the right to reject any or all plans submitted, and whose decision as to the award of said prizes or premiums shall be final.

All plans for which prizes have been awarded become the property of the City of San Antonio.

All plans must be securely sealed, addressed to the "Cemetery Committee of the City Council, San Antonio, Texas," and be submitted on or before 11 A. M., January 6th, 1910.

BRYAN CALLAGHAN, Mayor.

Attest: FRED FRIED, City Clerk.

WANTED TO LEASE—Retail greenhouse establishment; state full particulars first letter, size of houses, glass, rent, etc.; terms must be reasonable. Box 97, Jersey City, N. J.

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 88 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/2 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

roses and other specialties, some of which now have a world-wide repute. At the meeting of the American Rose Society at Buffalo, last March, Mrs. Hubbard announced through Mr. Bisset the establishment of a fund to provide gold medals to be awarded to valuable new roses of American origin and was made its first honorary member by the Society in acknowledgment of the gift.

Those who were personally honored with Mrs. Hubbard's acquaintance will always hold her in affectionate remembrance for her charity and rare goodness of heart.

Mrs. Mary A. Free.

Mrs. Mary A. Free, long engaged in business as a florist, died at Stamford, Conn., October 20, of pneumonia.

TWO FINE CHRYSANTHEMUMS.

Mrs. A. R. Peacock is a seedling of Beatrice May which it greatly resembles in form and color, but the foliage is finer and carried right up to the flower. The variety is too early for the shows but will be a welcome addition to the early commercial whites. The flower is twice as large as Virginia Poehlmann or October Frost or any other white, flowering at that season. Exhibited by Chas. H. Totty, it was certificated by the New York Florists' Club, October 11, and by the New York committee of the C. S. A., as "No. 1 Seedling" on October 16, scoring a certificate on both exhibition and commercial scales. Mrs. W. Wincott, another of Mr. Totty's candidates, is an improved Mrs. Chamberlain coming in right behind Pacific and always producing an evenly colored flower. It is a dwarf, handsome grower, and while not a large variety it will be widely grown because pink varieties at that season (October 15) are still very scarce. The plants can be grown close together. This variety was certificated October 16, as "No. 2 Seedling," by the C. S. A. committee at New York, on the commercial scale.

NEW AZALEA INDICA.

Having just received one case of the new Azalea Indica from the Haerens Co., Somergem, Belgium, the writer thinks that they will fill a long-felt want. The plants are of a very robust growth and arrived in excellent condition, without loosing any leaves. The flowers as seen at the nurseries



CHRYSANTHEMUM MRS. A. R. PEACOCK

at Somergem, the 2d of August, were of the most delicate shades and very large. As soon as they come in bloom they will be seen and talked about at the Gardeners' and Florists' Club meetings, as well as at the Mass. Horticulture exhibitions.

They will not be for sale this season, but the introducer thinks that he will have a fairly good supply for next season.

A. LEUTHY.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The lecture room of Horticultural Hall was well filled with an appreciative audience last Tuesday evening to listen to an informal talk by J. K. M. L. Farquhar on some things he had seen on his recent European trip, and enjoy the many handsome stereopticon views which he presented in illustration of his remarks. Mr. Farquhar's tour was somewhat out of the usual route, having extended to the far northern part of Norway and the views of the sublime mountain scenery and glacial falls were extremely interesting. Christiana, Stockholm, Copenhagen and several of the German and Italian cities, as well as the bulb-growing districts of Holland, were all drawn upon for pictures of horticultural or historical value. An enthusiastic vote of thanks was accorded the lecturer.

The question of annual dinner and installation exercises was discussed and finally referred to the executive committee. An amendment to the constitution providing for a life membership was laid on the table for action at the next meeting.

The flowers on exhibition included carnations May Day and seedling No. 106, from Peter Fisher, both of which received honorable mention. Mr. Fisher said that May Day gives every promise of being an unexcelled commercial favorite, being a splendid grower, productive and unique in color. The seedling is a large, very shapely white striped in the way of Bay State.

W. N. Craig showed a number of the English early single chrysanthemums and a vase of seedlings fully equal in all points to the named sorts. Rossmere Conservatories showed chrysanthemum Ivory and Wm. Downs staged cosmos, White Lady Lennox, which he says he grows in 12-inch pots and is able to cut flowers abundantly till Christmas.



CHRYSANTHEMUM MRS. W. WINCOTT

CLUB AND SOCIETY NOTES.

Officers of the National Horticultural congress, in association with other local men, have established a horticultural publication, which is expected to become the official organ of the congress. It is to be called "The National Horticulturist." Publication is to begin immediately. The magazine will be issued monthly and will be modeled after "Better Fruit," a horticultural magazine published in Hood River, Ore.

Articles of incorporation of the National Horticulturist Publishing Co. have been filed for record. The incorporators are W. S. Keeline, J. P. Hess, F. L. Reed, George Sancha and W. H. Lynchard. W. S. Keeline is president; J. P. Hess, vice-president; F. L. Reed, secretary, and George Sancha, treasurer. The company has a capital stock of \$5,000, divided into shares of \$100 each.—Council Bluffs Nonpareil.

The catalogue for the eleventh annual exhibition of the Tarrytown Horticultural Society, which will be held in St. John's hall, White Plains, N. Y., on Nov. 4, 5 and 6, has been issued. Among special prizes offered are these:

By J. D. Archbold, \$20 for the best twelve blooms of chrysanthemums; Mrs. William Church Osborn, \$25 for the best thirty-six blooms; Miss Blanche Potter, \$35 for the best twelve blooms, distinct varieties; William Rockefeller, silver cup for best eighteen blooms; Samuel Untermyer, \$20 for the best four plants of Begonia Gloire de Lorraine.

Mrs. Stuyvesant Fish offers a handsome silver cup for the best arranged floral decoration for circular dinner table, six feet in diameter, seating twelve persons, and Mrs. Isaac N. Seligman \$10 for the best basket of cut flowers.

James Sutherland, florist, Athol, Mass., left his store last Friday, telling no one where he was going, and has not been heard from since.

KILMDEAD
The best of all
the tobacco
dusts for
**Dusting or
Fumigating**



25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 200 lbs., 14.00 2000 lbs., \$2.50

Shoop & Walter Co. 50 Barclay St., New York.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with spraying chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
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POTASH



From Plot No. 1
No Fertilizer

3 Baskets per Tree.
Rate, 3 3/4 tons
per Acre.

From Plot No. 2
Nitrogen, Phosphoric
Acid and POTASH

8 Baskets per Tree.
Rate, 10 Tons per Acre. Increase,
6 1/4 Tons of Peaches per Acre.

From Plot No. 3
Nitrogen and
Phosphoric Acid

5 Baskets per Tree.
Rate, 6 1/4 Tons per Acre. Increase,
2 1/2 Tons of Peaches per Acre.

Details of the above actual test and also of many other tests will be sent upon application

The Quality and Quantity of Peaches

is decidedly improved by the use of Potash, which invigorates the stock and gives higher color, sounder flesh and better flavor. Proof is plenty that Potash Pays. Add enough Sulfate of Potash to your commercial fertilizer to make the Potash run 10 to 15 per cent.

Write for Valuable Literature prepared by Experts

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CHICAGO—Monadnock Block ATLANTA—Candler Building

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

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"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Bloom Saver**

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black ones too*

are easy to kill with

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\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

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Mount Vernon, N. Y.

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WORLDS LARGEST MANUFACTURERS
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CHICAGO, ILL.

DURING RECESS.

Astoria (N. Y.) Florists' Bowling Club.

Interest is well maintained in the sociable contests in this organization. Scores last Tuesday evening were as follows:

Siebrecht, W. H.	162	154	138
Donaldson	164	178	158
Miesem	149	161	144
Einsman	137	151	146
Siebrecht, H.	126	150	157
Jacobson	139	152	134
Smith	203	167	155
Shaw	127	166	158
Lorenz	127	150	115
Roose	88	111	116
Arnold	110	161	116
Siebrecht, W. H., Jr.	127	129	130
Doerhofer	136	117	183
Anderson	134	95	91
Bleckman		111	145

Chicago Bowlers.

The Chicago bowling team had a lively meeting with the following score as result:

Roses vs. Carnations.			
Carnations	701	731	755
Roses	677	758	686

Violets vs. Orchids.

Violets	714	832	765
Orchids	731	662	683

The feature of the evening was Victor Bergman's big score of 256 in the second game.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 s in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 s 1/2 " " "	5.25	120 7 " " "	4.20
1500 s 3/4 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80		
500 4 " " "	4.50	48 9 in. pots in crate	\$3.60
456 4 1/2 " " "	5.24	48 10 " " "	4.80
380 5 " " "	4.51	24 11 " " "	3.60
320 5 1/2 " " "	3.78	24 12 " " "	4.80
		12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 61 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., - Washington, D. C.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1 25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodenware Mfg. Co
TOLEDO, OHIO



GREENHOUSES BUILDING OR CON-TEMPLATED.

Lisbon, O.—John Scott, one house.
Bryan, O.—E. Wonseller, one house.
Lancaster, Pa.—A. M. Herr, enlarging.

Pennsburg, Pa. Owen Henry, one house.

Cromwell, Conn.—A. N. Pierson, one house.

Dubois, Pa.—L. E. Gray, range of houses.

Glens Falls, N. Y.—A. J. Binley, rebuilding.

Cochituate, Mass.—Walter Bigwood, one house.

Syracuse, N. Y.—L. J. Mulhausen, one house.

Catonsville, Md.—Chas. H. Cook, two houses.

Hamburg, N. Y.—C. F. Guenther, two houses.

Elyria, O.—Heacock Floral Co., house 24 x 300.

Syracuse, N. Y.—Bellamy Bros., range of houses.

Lancaster, O.—M. M. Miese, two houses, 18 x 200.

Cleveland, O.—G. M. Naumann & Son, range of houses.

Cleveland, O.—J. M. Gasser Company, range of houses.

Carrick, Pa.—South View Floral Co., two houses, 30 x 200.

Lancaster, Pa.—G. G. Goldbach, rose house and packing shed.

Chicago, Ill.—Poehlmann Bros., another range next spring.

Geneva, N. Y.—W. & T. Cass, two plant houses, 20 x 125 each.

Lincoln, Neb.—University of Nebraska, two houses, 20 x 50.

Montpelier, Ind.—Chas. Fields, South Jefferson St., one house.

NEWS NOTES.

Lancaster, Pa.—The Wilson greenhouses are now occupied by the Wheatland Aquarium & Greenhouse Company.

Cincinnati, O.—George Murphy succeeds the late George Walker as superintendent of the Jabez Elliott Flower Market.

Fultonville, N. Y.—The greenhouses and stock in them on the estate of the late John H. Starin have been sold to J. C. Hatcher of Amsterdam.

Owing to Tuesday being Election Day in New York, Wm. Elliott & Sons will hold their next auction sale on Wednesday, November 3rd, offering a choice lot of palms, bulbs and conifers.

Thompsonville, Conn.—The Brainard Floral and Nursery Co. has commenced work on the building of a new greenhouse, 25 x 75 feet, at the nursery and seed department on Maple St.

Hanover, Mass.—The Hanover

Greenhouses, formerly conducted by Geo. F. Sylvester, are now the property of Chas. E. Norton, who used to be at Malden, Mass. Mr. Newton has added this fall a new carnation house, 35 x 125. Carnations are the only crop grown, Lady Bountiful, White Perfection, Fair Maid and Enchantress being the principal varieties.

PATENTS GRANTED.

937,143. Lawn Mower. Henry Deck, Philadelphia, Pa., assignor to John Braun & Sons, Philadelphia, Pa.

937,533. Pipe-Coupling. George E. Kelly and George F. Royer, Wilkes Barre, Pa., assignors to The Kelly-Arnold Manufacturing Co., Wilkes Barre, Pa.

937,579. Lawn-Edge Trimmer. Harry P. Dague, Akron, Ohio.

PARIS AUTUMN SHOW.

The National Horticultural Society of France will hold its autumn show on the 5th to 14th November next. It will take place on the Cours la Reine which has been placed at the service of the Society by the Prefect of the Department of the Seine.

Next year the Society's shows will be international, one in May and the other in November.

C. H. P.

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\$1.00 will mend 100 lights; ask your dealer or
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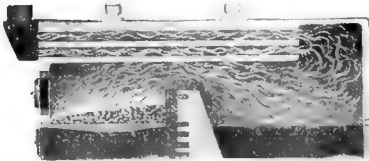
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FULL SIZE
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KROESCHELL BOILER



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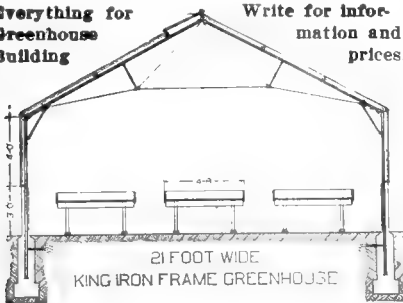
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Everything for
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In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.



THE ADVANCE VENTILATING MACHINE

is the best machine you want
to install in your houses if you
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All we need ask in one trial
order. We know we can please
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customers in 48 states, with but
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32 feet or longer
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steam, water, gas or oil, also for
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The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N.J.

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GLASS New American natural glass
made 8x10 and 10x12 B, sin-
gle, \$1.55 per box; 8x10,
10x12 and 10x15, B, double, \$1.80 per box;
12x14 to 12x20, 14x16 to 14x20, B, double,
\$1.92 per box; 16x16 and 16x18, B, double,
\$2.00 per box; 12x24, B, double, \$2.08 per
box; 16x20, 16x22 and 16x24, B, double,
\$2.13 per box. Discount in large quantities.
PIPE Good serviceable second-hand with
each length, no junk—1 in., 3c.; 1 1/4 in.,
4 1/2c.; 1 1/2 in., 5c.; 2 in., 6 1/2c.; 2 1/4 in., 10 1/2c.;
3 in., at 14c. and 4 in. at 19c. New 2 in.
standard black, 8 1/2c. Old 4 in. greenhouse
pipe, 14c. per foot; 4 in. boiler tubes, 7c.
per foot.

We quote you above only a few of our
prices. We manufacture and job in every-
thing pertaining to greenhouses, both new
and second-hand. Get our prices before
placing your orders.

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Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
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PATENT LAWYERS

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Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
hard putty. Lasts longer than putty. Easy to
apply.



It Costs No More To Build A House Like This

Than one that may last only a few years. It is mighty expensive business, putting out good money for repairs on a cheaply constructed house—repairs that begin shortly after the house is built, and keep up until it is torn down or abandoned by the disheartened owner. Our Iron Frame House, with its light, strong, rigid frame work is practically indestructible and light as day, making it unmatched for productivity.

If you build, have the best—it means money in your pocket. Let us hear from you.

Hitchings & Company

Designing & Sales Offices General Offices & Factory
1170 Broadway, N. Y. Elizabeth, N. J.



The House of "Increased Efficiency"

The L & B Sectional Iron Frame Houses, whether for private places or among the florists, are to-day being run at less expense, and yielding greater returns than other constructions. It is because of their unequaled durability and "increased efficiency." Send for circular which tells why.

LORD AND BURNHAM COMPANY
Irvington-on-Hudson, N. Y.

New York Boston Philadelphia Chicago
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THE GREENHOUSE EXCEPTIONAL

It is exceptional in that no other is as light—no other as durable—no other as attractive. Any one of these three points is a talking point for any other

construction, but the U-Bar excels in all three. It is the U-Bar that does it, and no other concern can build a U-Bar house—the patent is ours. Send for catalog.



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DESIGNERS AND BUILDERS OF



U-BAR GREENHOUSES

HORTICULTURE

Vol. X

NOVEMBER 6, 1909

No. 19



NEW ROSE "PROFESSOR SARGENT" AND JACKSON DAWSON WHO RAISED IT



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

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IS THE NEW INSECTICIDE
THAT KILLS PLANT LICE
OF EVERY SPECIES

This has been demonstrated in tests made by the highest scientific authorities of the land, and is proclaimed an infallible spray for all outside plants.

For the Greenhouse and Conservatory it has no equal among the various remedies now in use.

APHINE is a combination of essential and ethereal oils, combined with nicotine, in a readily soluble and available form, and can be applied as a spray, wash or dipping solution.

It is used at an average strength of one part APHINE to forty parts of water — full directions on each can.

Price \$2.50 per Gallon

COLLIER'S WEEKLY SAYS:—*"Aphine has a future as long and wide as the United States."*

MR. CHARLES H. TOTTY SAYS:—*"Aphine will do all you claim and more."*

PROF. JOHN B. SMITH:—*"You can guarantee your material to be effective against plant lice. I know that from personal experience."*

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Aphine is now on sale in New York, Philadelphia, Baltimore, Washington, Boston, Rochester, Buffalo, Detroit, Chicago, St. Louis and Denver, with negotiations pending for agencies in other cities in the United States and Canada.

The first shipment has just been made to the Pacific Coast to Messrs. MacRorie-McLaren Company, San Francisco, Cal., selling agents for Aphine.

If your supply house does not handle Aphine, write us and we will send you name of our nearest selling agent.

GEORGE E. TALMADGE, Inc.

Madison, N. J.

GERANIUMS

From 2 in. pots at \$2.00 per 100, \$18.50 per 1000 for good Standard Sorts; New Price List now ready. We have the largest and finest stock in America. Inspection invited.

IVY GERANIUMS, A splendid assortment at \$2.00 per 100.

CANNA ROOTS, Only the best kinds, good strong division at \$2.00 and \$3.00 per 100. Write us for Special Prices on large lots. We have 1,000,000 to sell.

DAHLIA ROOTS, Jack Rose, Fringed 20th Century and Rose Pink Century \$3.50 per doz., \$25.00 per 100. Other good kinds \$1.00 per doz., \$5.00 per 100, \$40.00 per 1000. Send for Descriptive List.

HARDY CHRYSANTHEMUMS, Stock Plants, \$1.00 per doz., \$6.00 per 100, in good assortment.

R. Vincent, Jr. & Sons Co., WHITE MARSH, MD.

CARNATIONS

Field Grown Plants

	Per 100	Per 1000
Pres. Seelye, 1st size	\$5.00	\$40.00
White Lawson, 1st size	5.00	40.00
Pink Lawson, 2d size	4.00	

MISCELLANEOUS

	Per 100
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" " " " " " " "	6.00

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THE LIBERTY TREE, ANNAPOLIS, MD.—One of the most striking examples of the perfect restoration of a historic landmark by modern methods of tree surgery.

The Preservation of Historic Trees

This is a matter which is attracting attention of thoughtful people everywhere. Historical societies and village-improvement associations are interesting themselves in the preservation of trees, many of which are century-old landmarks.

I have been particularly successful in doing this sort of work as evidenced by examples to be found among the historic trees of Mt. Vernon, notably the restoration of the Holly planted by George Washington, which had been so severely injured by wind storms and decay that its restoration was considered hopeless. The top of the tree was crowned and the weakened branches bolted to a reinforcing rod and the tree now has a new lease of life.

Another example was the restoration of the famous Liberty Tree at Annapolis, Md. Probably more cement and reinforcing material was used in this tree than on any similar job in the country, but the tree is now as solid as a rock and is likely to withstand the wear and tear of several centuries.

The art of tree surgery is comparatively new, but it is based on scientific principles of plant growth and the knowledge of the source of disease and decay. After decay has been arrested and all the dead and useless limbs removed I give special attention to new growth by the proper feeding of the tree.

I will give personal attention to any inquiries which the readers of Horticulture may send regarding any trees which for sentimental or other reasons they would like preserved for generations to come.

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DAYBREAK

A Superb New Rose Raised by JACKSON DAWSON

Wichuraiana type, formerly known as seedling No. 7 (Wichuraiana X The Dawson). A vigorous grower, profuse bloomer and easy forcer. Foliage light yellowish green. Hardy as far north as Canada.

Flowers single, in loosely pyramidal clusters. Color deep yellowish pink, a shade darker than Lady Duncan, slightly lighter tint towards centre. Stamens very bright orange. Flowers full, round, cupped. See illustration of plant in this issue.

THIS IS A ROSE EVERY NURSERMAN WILL WANT

PRICES — Strong three-year-old plants, \$3.00 each; \$25.00 per dozen.
Two-year-old plants, \$2.50 each; \$20.00 per dozen.

EASTERN NURSERIES

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

Notes From the Arnold Arboretum

A horticulturally very important genus is *Viburnum* of which quite a number of new species have been recently introduced from China. Some of them are deciduous and some evergreen: all of the former may be expected to prove hardy in the neighborhood of Boston, while the latter can only be depended upon farther south.

One of the handsomest and certainly the most graceful and distinct of the new species is *Viburnum kansuense*, a shrub related to the Highbush Cranberry, but smaller in every part and with much more finely divided foliage. The slender-stalked bright green leaves are ovate-oblong in outline, from one and a half to two inches long, deeply three or sometimes nearly five-lobed, the middle lobe elongated into a slender point and like the lateral lobes furnished with a few large teeth. The pinkish white flowers appear in slender-stalked clusters about one and a half inch in diameter along the upper part of last year's branches and are followed by comparatively large ovoid bright red fruits. Particularly in fruit this *Viburnum* is very handsome and presents with its small deeply cut foliage an appearance very different from any other *Viburnum*.

Very distinct is also *Viburnum erubescens* on account of its flowers being arranged in drooping panicles and not in umbel-like clusters as in almost all other species. In its native habitat it grows into a small tree attaining twenty feet in height. The leaves are generally obovate or obovate-oblong, short-pointed, serrate at the margin and from two to four inches long. The white flowers are funnelform, not flat as in most other species, about one-third of an inch long and are borne on slender drooping panicles from two to four inches in length; they are followed by dark crimson fruits.

Similar in habit and general appearance is *Viburnum Henryi*, but the flowers are flat as in most other species, not funnelform. The panicles are much broader and somewhat larger and the leaves are narrower, of a firmer texture and quite glabrous, not hairy on the veins of the under surface as in the preceding species.

Viburnum betulifolium is closely related to *V. dilatatum* and differs chiefly in its smaller glabrous foliage and larger and looser flower clusters. The leaves are borne on very slender stalks and usually rhombic-ovate or oval in outline, pointed and toothed, from two and a half to four inches long and glabrous on both sides. The flowers appear in large and loose corymbs from four to six inches in diameter and are followed by scarlet fruits. Another species of the same affinity is *Viburnum Wilsoni* with denser and smaller corymbs covered with a dense and short yellowish tomentum; the leaves are generally ovate, pointed and pubescent on both surfaces. To this species *Viburnum dasyanthum* is very closely related, but the yellowish tomentum is confined to the upper part of the corymb and the more elongated leaves are glabrous. *Viburnum corylifolium* is also closely related to *V. dilatatum*, but the young shoots, leaf-stalks and the inflorescence are densely covered with long spreading yellowish hairs and the scarlet fruits are larger.

Another very distinct species is *Viburnum foetidum* (*V. ceanothoides*) with rather small, but numerous

flower clusters. The leaves are only one or two, rarely three inches long, obovate to oblong in outline with a few large teeth near the apex and quite glabrous. The white flowers are borne in corymbs from one and a half to three inches in diameter and followed by scarlet fruits.

Viburnum Veitchii is similar to *V. Lantana*, but the flower clusters are larger. The leaves are ovate, pointed, cordate at the base, finely toothed, from four to five inches long, covered on the under surface with a white tomentum and slightly hairy on the upper surface. The flowers appear in terminal panicles from three to four inches broad and are followed by black fruits. *Viburnum buddleifolium* is very similar to this, but the leaves are narrower, more lanceolate in outline.

All the *Viburnums* mentioned above are deciduous; some of the new evergreen species will be mentioned in the next issue.

Alfred Rehder.

Alternanthera "Jewel"

For a number of years foliage plants have been artistically used for massing or color effect in the flower garden, parterre, private and public gardens, cemeteries, and all places where plants are used for bedding or decoration.

Changes have constantly been made with the advent of new or improved varieties, which add beauty and effectiveness in the general display. Progress is ever the order of the day and there is always beauty in variety. Mention might be made of such plants as crotons, acalyphas, pandanus, philanthus, abutilons, coleus and a few others amongst the stronger growing varieties but for effectiveness in general designs, or carpet bedding nothing can vie with the alternantheras. Of these we have several varieties and distinct forms, some strong and free-growing, others dwarf and compact, with several shades of color—some sombre, others of distinct yellow, while others again are of an orange red varying to rose carmine and cerise. The vivid and brilliant colors are most striking and our semi-tropical summers are conducive to their full development of growth and color. For many years the variety *amœna* and *A. spectabilis*, *latifolia* and *versicolor*, with several sports of more or less value have been in cultivation, though of late years they have dwindled down to two or three distinct colors of red and yellow.

We are indebted to Wm. Pfitzer, of Stuttgart, Germany, for the recent introduction of *Alternanthera Jewel*, which has proved a most valuable addition to this class of plants. In habit it is compact and spreading, foliage as large and probably larger than *A. latifolia*. The young foliage is bronzy orange, changing to rosy carmine and brilliant crimson. For massing where color effect is desired it is unequalled, also for borders—especially with subtropical plants—and can be used for many and varied purposes in parks, cemeteries and all gardens where bedding plants are used. It is by no means a delicate or tender plant but is of free growth compact habit and vivid coloring.

Wm. Pfitzer.

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A rose
and a gardener

We are especially proud of our cover illustration this week. It is a very happy combination—Jackson Dawson and one of his most highly prized rose productions—and the excellent likeness of this universally loved gardener will be appreciated at home and abroad by a myriad of friends. The handsome rose, appropriately named in honor of Professor C. S. Sargent is delicate pink in color and grows to a height of ten feet. It is the result of a cross between Wichuraiana × Crimson Rambler and a pink H. P. It was awarded a silver medal at the Rose Exhibition of the Massachusetts Horticultural Society, June 26, 1909.

Where novelty
and originality
are indispensable

A disposition to break away from the beaten path in flower exhibition arrangements is somewhat in evidence this season and should be regarded as a very hopeful sign. It is not possible to perpetually interest people in monotonous lines of blooms and conventional mounds of potted plants, however finely they may be grown, as has been repeatedly proved, to the sad discomfiture of well-meaning promoters, and novel effects must be forthcoming to insure financial success for flower shows as is the case in every other venture for which continued public support is sought. It is equally true that the skill to produce plants and flowers which are triumphs of the growers' art does not always carry with it the ability to arrange artistically or to conceive and carry into execution original and impressive effects. Here is one prime reason, in addition to others which are obvious to everybody why the professional floral decorator should always have something to say about planning our public exhibitions. To the fact that he has been oftener than otherwise conspicuous by his absence is undoubtedly due much of the inertness and stagnation which so often characterize exhibitions that from a cultural standpoint are highly meritorious.

One effect
of abundance

The attentive observer cannot fail to notice the steady trend in the wholesale flower markets for several years back, in the direction of a wider and wider divergence between selling value of stock which is first-class as to quality and that which is not. The variation between the selling price of best and second best, formerly but a trifle, is today a wide gap and the probability is that it will become more so. As the sources of supply increase, so the buyer grows more and more insistent as to grading and quality and the grower or the wholesale dealer finds he can get standard prices only on the top grade material. Except in rare cases of scarcity on some special line the balance of the stock, which of course is the main bulk, becomes a subject of dicker, with the result that the figure at which the small fraction of choice stock was sold often bears but little relationship to the actual average for an entire cut. There was a time when published quotations in the trade papers, from week to week, meant something but that time has gone and, while one may do everything possible to insure accuracy in such quotations, it is a fact that they convey very little information to anybody. The grower who is able to produce regularly the largest percentage of first grade flowers is the one who will come out on top. The bare number of flowers cut becomes of less and less importance under these conditions in which it often happens that, of one thousand blooms, one hundred will realize as many dollars as will the remaining nine hundred.

Treatment of Cattleyas

Editor HORTICULTURE:— I have a $\frac{3}{4}$ span house 20 x 50 feet and 13 feet to the ridge. I have this house full of cattleyas of the following varieties: Labiata, Trianae, Percivaliana, Speciosissima, Schroderae, Mossiae, Mendelli and gigas in varieties, all this year's importations. When potting I gave plenty of drainage. Will they stand plenty of water, as they are breaking away very good and making plenty of new roots? Can I give them full sunlight after a month or so? I am removing the shade from the house by degrees. The house runs east and west. Will they stand and feed now? What is lime of soot and how is it used? How much Nicoticide should I use to fumigate this house ginner and any information you can each time, and how often as a preventive for the cattleya fly? I am a begive me through your valuable columns will be highly appreciated by—

A SUBSCRIBER.

Editor of HORTICULTURE:

In reply to the questions asked (1) by Subscriber, would say the following: Subscriber had better use the water rather sparingly on his cattleyas from now until toward spring when the days begin to get longer and the sun has more power again. It does not pay to try to hurry them along, on account of the winter setting in now. A good watering once a week ought to be enough from now on, using a little weak liquid manure at the same time. It would be foolish to attempt to lay down strict rules as to how often the plants should be watered as each house has its own peculiarities, the plants in one house drying out much faster than the plants in an adjoining house. I find the safest way is to watch your plants and water them as soon as they are thoroughly dry. A little careful attention to this will soon teach "Subscriber" more about watering than anybody could tell him who is not thoroughly acquainted with the existing conditions of the house. Never water a cattleya in winter unless it is dry. Cattleya gigas and C. speciosissima should be kept a few degrees warmer and a little dryer at the roots than the other species mentioned. This can be accomplished by grouping them together at the warmest end of the house. These two varieties will also stand more sun than the rest of them; indeed they will simply refuse to flower if not given plenty of light at all times. Keep Cattleya Mendelli at the coolest end of the house. C. Schroederi requires to be kept quite dry during winter. If the house is damped down once or twice a day and the plants syringed on all favorable occasions very little other watering will be required during the dull winter months for the three varieties mentioned above. (2) The sooner Subscriber gets off the shading from his houses, the better, as the sun has lost its burning power long ago, at least up this way. Our houses are covered with ground glass, which gives sufficient shade



CATTELEYA GIGAS

for cattleyas during summer and far too much of it during winter. (3) I have used lime and soot to a considerable extent and find it throws off a beneficial gas which helps to put color and substance into the plants. Air-slaked lime and soot in equal proportion are mixed thoroughly together and strewn thinly under the benches and back of the heating pipes towards night about once a week, if time permits. (4) I doubt if the cattleya-fly can be eradicated by the use of Nicoticide. The safest way is to watch the young growths and to cut off any that come to an abrupt point as that is always a sign that there are larvæ in it. New imported cattleyas have plenty of good eyes and they will soon break away again. The time to look out for the fly is as soon as the plants start to grow, or when the young growth is about 1 inch high. If the larvæ of the cattleya-fly are destroyed then there will be no more trouble from them afterwards. Fumigate the house once a month with Nicoticide to keep down insect pests; four ounces of Nicoticide ought to be sufficient. If not bothered with insects a good fumigation two or three times a year will be advisable to keep the pests out, but to my knowledge there are few, if any greenhouses, and especially orchid houses, that are not infested with some kind of an insect.

M. J. Pope

Naugatuck, Conn.

Orchids are a timely topic. Any of our readers, interested in their culture, etc., are invited to send to the office of HORTICULTURE inquiries concerning any points on which they may desire further light and full replies will be given in these columns.

MUSHROOMS IN CARNATION BED.

Editor HORTICULTURE:

Will you please let me know through your columns if anybody has had the following experience in his carnation soil, and if so, what he would advise me to do?

In my carnation house in the centre bed, 50x5 feet, mushroom spawn has got in somehow. I am picking from one to two quarts a day since about September 18th. So far the carnations seem none the worse for it and look clean and thrifty. The crop, of course, is very welcome to the table of my employers. If someone has had any similar experience, will he please let me profit by his experience?

G. BLEIKEN.

In reply to the query of Mr. Bleiken I would state that it is a very common occurrence to have mushrooms come up in carnation beds. We have never seen any bad effects. Some times they will lift up a plant; then we dig up the stool and press the soil again around the plant. M. A. PATTEN.

Tewksbury, Mass.

**PTEROSTYRAX (HALESIA)
HISPIDA.**

This a shrub of much value, as a solitary decorative object on the lawn or by the water side, and is better in these respects than *Chionanthus virginica*, to which it comes nearest, but its habit is less pleasing. *Pterostyrax hispida* possesses large handsome foliage of a light green tint, and is an abundant bloomer in a young state, and the blooming period is considerably longer than in *Chionanthus*. The flowers are white, and bear a resemblance to those of *Deutzia crenata*. Owing to the compact habit of *Pterostyrax hispida* no pruning is required, it is not injured by frost, and is not particular as to the nature of the soil or its position.

F. M.

A NEW RAMBLER ROSE.

NEW ROSE DAYBREAK

Our advertising columns announce the introduction of the new rose *Daybreak*, an illustration of which appears herewith. As one of Jackson Dawson's productions no doubt will be entertained as to the excellent qualities and

permanent value of this latest progeny of the prolific *Wichuraiana* lineage. On the other side, the parentage is also of a high standard. The Dawson has proved to be one of the hardiest and most prolific of pillar and piazza roses.

CARNATION SHASTA.

The photograph of *Shasta*, reproduced herewith, shows a bed which was planted the first week in August, con-

taining about 1800 plants. The photograph was taken October 1st. Mr. Baur states that they are running this bed for blooms only, the intention at present being not to take any cuttings from these plants. They have another house full containing about 8000 plants, which they have kept cut back from which to take cuttings. Propagation will begin about November 1st, and delivery of rooted cuttings will begin about January 1st, 1910. Over 40,000 have been sold to date and indications point toward a large total sale on this variety. It will be remembered that *Shasta* elicited more favorable comment than any other variety at the A. C. S. convention, where it scored 89 points last January. As a commercial white carnation it has a most promising future.

TREE PRESERVATION.

We venture to say that practically every reader of these lines knows of some tree, historically valuable or prized for its associations or for its own beauty and shade which is rapidly going to decay because of lack of intelligent care. Some of us know many such trees and how glad we should be to see them put under the care of an expert in that new but already indispensable art known as tree surgery. Every tree lover should read the announcement on "The Preservation of Historic Trees," by John T. Withers, which appears on another page of this issue.



CARNATION SHASTA

THE LONSDALE BANQUET.

The classic halls of Dooner's Hotel, situated in the heart of Philadelphia on the spot where Franklin flew his historic kite, have been the scene of many horticultural gatherings during the past twenty-five years, all of them of commanding importance and distinction, but it is safe to say that none of these surpassed if they equalled the



EDWIN LONSDALE.

splendid array of leading lights in the horticultural world that assembled on the evening of October 28th, 1909, to laud and bid Godspeed to Edwin Lonsdale on his departure from Philadelphia to take up his permanent residence in California as manager of the new Burpee seed farms on the Pacific Coast. The affair was a glorious success in every way, and a fitting testimonial to the fine personality and high standing of the guest of honor as well as a creditable offering on the altar of friendship by the entire horticultural trade of the East to one of its most distinguished sons who has lived, loved and labored amongst them for nearly thirty years. Busy men in Boston, New York, Washington, and other distant cities threw aside their important affairs in order to journey to the City of Brotherly Love to testify their friendship, love and admiration for a fellow-worker who has nobly held his end up and done much as a soldier of the common good, and every one went away happy in the thought not only that he had done his own duty as a man and brother, but that he had enjoyed as well a feast of reason and a flow of soul so splendid that it would remain a pleasant red letter memory in his heart to the end of time. This is the reply that the American people make to critics who claim that they have no ideals and no sentiments and that their only thought is the almighty dollar!

To give in detail the faintest outline of the magnificent speeches made during the evening on all phases of the florists' trade, the seed trade, the nursery trade and allied horticultural industries would take up two or three papers the size of HORTICULTURE,

so we must content ourselves by giving below merely a list of a few of the fortunate seventy-seven guests and the merest outline of the program. A full stenographic report of these speeches has been preserved for the benefit of the present and future by that keen exponent of progress and affairs, W. Atlee Burpee, and we feel sure it will be put to good and permanent use for the public weal as behooves a man who stands at the head of the beatified hosts of wilderness-adorners and happiness-bringers to the hungry and forlorn of the human race.

A pleasing incident of the proceedings was the presentation of a Victrola—the latest and most wonderful of reproducing instruments—to the guest of honor, after listening to Harry Lauder, Melba, Caruso and La Bohème from its magic sounding boards.

To say that Edwin Lonsdale was pleased with the great ovation given him sounds stale, flat and unprofitable—he was simply all broken up.

There is a question as to who made the best speech of the evening. Some say Dr. Washburn; others swear by J. Otto Thilow. Patrick O'Mara of New York was crisp, scintillating and to the point. Elijah Wood of Boston was particularly happy and W. R. Smith of Washington got the hearts of them all in his ode to appreciation of the men who do things. F. R. Piereson was good, too, and some of the local stars shone out. Far be it from us to pose as a critic or judge. It is best to keep out of hot water in such a question. But we can say in all sincerity that everybody did well—speakers and singers alike. W. C. Langbridge, of the Jerome B. Rice Co., Cambridge, N. Y., made a fine address on behalf of the American Seed Trade Association, and was ably followed by Thomas E. Meehan, of Thomas Meehan & Sons, on behalf of the nursery trade. Edward Dooners' "Kilkenny" was one of the gems of the evening. However, one thing we are sure of, and that is that Howard Earl's speech was by all odds the biggest. It occupied two hundred typewritten pages and had to be wheeled up to the platform on a truck. The toastmaster was greatly relieved and gladly consented when a member of the committee asked for leave to print.

Joseph Heacock, the newly elected president of the Florists' Club, acted as chairman and was ably assisted by Toastmaster Ex-Mayor Smith—the latter having in no way deteriorated in his role of "the greatest ever" in the way of witty toastmaster. He (the ex-Mayor) is like a fiddle, a meerschauum pipe or a Scotch m-m-; gets better with age and more mellow and altogether delightful! Robert Craig gave an appreciative tribute to William K. Harris, who was absent through sickness, but who sent a fine message by wire which was read by Secretary Rust, as were a great many other messages of regret from all parts of the country.

William Wunder made a hit with his stories and monologues, and Thomas Hogan and C. H. Reed were also delightful in the "Flow of Soul." Frank Dooner gave the company "Loch Lomond" and made their hearts warm to him more than ever, although they were already highly strung on the

tautless care he and his chef had bestowed on the dinner arrangements. R. C. Bendig made an efficient accompanist on the piano.

Robert Craig sent a fine lot of the Lonsdale crotons to decorate the tables and these after they had been nicely trousered in green and silver by Robert Kift proved a great attraction. The flowers for the tables consisted mainly of pink and white Killarney roses, Farleyense ferns and hardy chrysanthemums. These were furnished by Robert Scott & Sons and were arranged artistically by George Craig, who also furnished several wagon loads of palms. It was a great night, all right, and our only regret is that exigencies of space compel us to be brief and cut out many of the delightful things, and no doubt also many of the appreciative mentions that should be given to those who helped to make the affair a success. Two things in particular we must not forget—the fine speeches made by Jno. Westcott and Jno. Burton. Both of these old war-horses rose to their opportunities in splendid shape.

In the words of the program, "Join we together in the public good for what we can," we all did so—each one to the best of his ability as called on and the highest encomiums are in order for one and all. The writer is proud to have been a cog in the wheel and is full of admiration for the noble way in which everybody aided and abetted in giving a good send-off to our dear old friend and distinguished horticulturist, Edwin Lonsdale. May he live long and prosper. And may that other dear old friend and distinguished horticulturist, W. Atlee Burpee, live long and prosper, too. We are proud of them both and think the new combination will accomplish far-reaching results.

G. C. WATSON.

DAHIA WM. J. STEWART.

The dahlia shown in the illustration is said to be a seedling from A. D. Livoni, raised by C. S. Finacom, Dracut, Mass. It is pure white and very



PLANTATION OF DAHLIA WM. J. STEWART

floriferous, an excellent flower for florists' cut flower use. Mr. Finacom has a 35-acre farm and grows between four and five hundred varieties of dahlias. The variety here illustrated is his most highly prized seedling.

THE EXHIBITIONS

LENOX (MASS.) FLOWER SHOW.

A report of the annual chrysanthemum exhibition of the Lenox Horticultural Society has already appeared in at least one of the horticultural papers, in which the prize list has been fully given, and various comments appended.

Lenox, Mass., nestles itself among the beautiful Berkshire Mountains, and as an ideal summer home has few equals. Here the New York business man can retire for his happy vacation, and can rely on peace and solitude undisturbed. It is off the beaten track and all we hear of Lenox is an occasional note in the Society column.

These business men and millionaires have their gardens and gardeners and in out-door life and the beautifying of their places they take especial pride, but the gardeners who are largely responsible for the appearance of their places get little of the passing comment. Now and then we read of some of their horticultural doings in a vague way, but anyone who is a competent judge and who visits some of these places and particularly their flower show, feels that these men are very much slighted by the press generally. In Lenox they are doing a pioneer work horticulturally in many respects, and this is very clearly emphasized at their exhibitions.

Perhaps the most outstanding and leading feature of these exhibitions are the plant groups. Here these groups are put up on a scale that we never see attempted at any of our other exhibitions. It is a long way by rail to transport these delicate plants to any of our large centers, but it certainly would be a grand feature for some of our New York exhibitions to have one or two of them just for once, as a sample. Perhaps if some of the show committees would use a little persuasion, and some liberal donor provide the necessary transport charges, we might be able to see this consummated.

Here the groups are put up with remarkable taste and so arranged that when you stand in front of them you can see the individuality of every plant used. It is in the province of the gardener to produce fine specimens but usually when he groups them they are so massed as to hide their individual beauty. In building the one-side mounds so often seen, it is not really necessary to have good plants, as only one side and sometimes only the top, shows. To show them to perfection, considerable decorative art is necessary, and this the gardeners in Lenox seem to study to as great an extent as they do the cultural details.

It is not the intention of the writer to discuss the superior merits of either of the groups as put up by Mr. Heremans, Mr. A. Jenkins or Mr. E. Jenkins. The judges had their own troubles in making the awards, but in any case

they were all really good from the most critical standing point, and were certainly a revelation to the writer and others, and an object lesson in their line. Notable among the individual plants used were some specimens of *Croton Warreni* at least five feet high and perfect in foliage and color, several beautiful pieces of orchids, and many well-grown palms, while the ground work was mainly composed of *Adiantum Farleyense*, lily of the valley and *Gypsophylla paniculata*.

For the group of orchids, Mr. Loveless carried off first honors, with Mr. Heremans a close second, both groups being exceptionally fine and reflecting great credit on the exhibitors, both for cultivation and the tasteful manner in which they were arranged.

For specimen chrysanthemum plants, Robert Spiers carried off the principal honors, while Mr. Loveless was first and Robert Spiers second for twelve plants grown in six-inch pots. This was as fine a lot of plants as we have seen grown in this size of pot. Every bloom would have graced an exhibition table in the cut-bloom class.

The principal prize in the cut-bloom chrysanthemum section was for 24 blooms, distinct. Here Edw. Jenkins was first, Thomas Proctor second and F. Heremans third. In competition for the C. S. A. cup, F. Heremans was awarded first for a splendid vase of Mrs. F. S. Vallis, this being perfect in form and finish; A. J. Loveless being second with Montigne. These were monster blooms, but hardly finished. Had the show been a week later the tables might have been turned. Thomas Proctor came in third with a well finished vase of Lady Hopetown.

It would take too much of your valuable space to enumerate all the varieties shown in each class, so we give herewith a list of some of last year's novelties which showed to best advantage in competition with the older kinds: Pres. Taft, Leslie Morrison, Pockett's Crimson, G. W. Pook, Frank Payne, Merstham Blush, Chas. Beckett, Mrs. O. H. Kahn, Mrs. C. H. Totty, Pockett's Surprise, Rose Pockett.

Some of the most prominent of the old varieties were: Mrs. J. C. Neil, Mrs. Henry Patridge, Mary Mason, Mrs. Norman Davis, H. J. Johns, Mrs. F. S. Vallis and Lady Hopetown.

In the vegetable classes, Robt. Spiers carried off first prize with a really excellent collection; Mr. Edw. Jenkins being second and F. Heremans, third. To show the excellence of the vegetables shown in this class, we have no hesitancy in saying that the third prize lot would have taken first prize in any show except Lenox.

For grapes, Mr. Carlquist carried off first honors, both for black and white, F. Heremans being second. Both showed Gros Colman in good form, being excellent in color and finish, while Muscat of Alexandria for white was exceptionally good. In fact we never saw it shown better this late in the season.

Altogether the show was worth a long journey to see. We are glad we went, and consider the time well spent.

WM. SCOTT.

Elmsford, N. Y.

THE FLOWER CITY'S FLOWER SHOW.

The first Flower Show of the Commercial Florists' Association, of Rochester, N. Y., opened at Convention Hall on Tuesday afternoon, November 2nd, with a display of floral wealth and beauty seldom seen at such exhibitions. Convention Hall was one immense, undivided garden of beauty, and the visitor was guided along paths and walks amid tropical gardens dense with palms and ferns; beds of violets and roses; and masses of chrysanthemums; bouvardias and primulas which smiled at one as he passed from one glorious view to another still more beautiful.

At the rear of the hall and reaching twenty feet toward the ceiling, a rock garden was constructed from the top of which a cascade tossed and tumbled to the little lake below. The walls of the building were covered with scenic paintings, and from the center of the roof thousands of yards of southern smilax were gracefully festooned to the supporting columns.

A part of the famous Kimball orchid collection was shown by Mrs. W. S. Kimball. These were undoubtedly the most interesting and rarest of the many beautiful exhibits.

While the orchids formed a considerable part of Mrs. Kimball's exhibit, the major part was a display of chrysanthemums.

The method of exhibiting was entirely distinct from any flower show held in the past, the plan being to make the hall a great garden, rather than a series of small booths or tables containing individual exhibits, and the success of this idea is in a great measure due to Mr. Charles H. Vick, chairman of the general committee, assisted by George B. Hart, W. L. Keller, J. M. Keller, F. L. Keller, R. G. Salter, E. P. Wilson, A. T. Salter, C. J. Brown, F. W. Vick, William Pitkin, C. B. Ogston, F. R. Schlegel, H. B. Stringer and E. A. Osborne.

The opening of the exhibition was very informal. President F. W. Vick, of the Florists' Association, introduced Mayor Edgerton, who spoke briefly and extended his congratulations. Then there was a crash of music, and from the Fifty-fourth Regiment Band's inclosure, where Conductor Fred T. Zeitler and his musicians were stationed, there came the strains of the Schlicht march, "Do It For Rochester."

In the many pergolas, leading into the miniature gardens were hung cages of canary birds.

The exhibit from the Highland Park conservatories, in charge of John Dunbar, superintendent, showed a desert of sand in which hundreds of specimens of cacti and other succulent plants grow.

An interesting exhibit showing what may be accomplished in landscape gardening in a small scale, was made by Walter Ticknor.

A complete list of exhibitors follows: A. W. Darling, Charles E. Fry, John House, Vick & Hill Company, E. R. Fry, Frank Bennett; Hiram W. Sibley, Etienne Berry; R. H. Pringle, H. E. Wilson, Thomann & Teute, George Crooke & Co., G. T. Boucher; Mrs. G. N. Perkins, John Condie, gar-

dener; Clifford & Son, George Bennett; George Eastman, William Pirie, gardener; Salter Brothers; Warham Whitney, T. Strezeski, gardener; A. M. Lindsay, John McKeown, C. D. Bonbright, Otto Graszinze, F. Kronsbein, Ed. Brockman, F. Schlegel's Sons, Charles Suhr, Brown Brothers Nursery Co., A. Rayton, Fred Teute; City Parks Department, John Dunbar, superintendent; Charlton Nursery Co.; Walter Tickner, Mrs. William S. Kimball, C. B. Ogston, gardener; George J. Keller, Ellwanger & Barry, Chase Brothers Co., E. C. Campbell, Thomas Cogger, George B. Hart, Wm. Ehmman, Crossman Bros., J. Thoman, H. C. Salmon, W. D. Oviatt, J. B. Keller Sons, W. D. Ellwanger.

Out-of-town exhibitors were: Mrs. D. M. Osborne, Auburn, N. Y.; Mrs. J. Fay Kennell, Chili, N. Y.; Wm. Scott Co., Chili, N. Y.; Chas. H. Totty, Madison, N. J.; E. D. Smith & Co., Adrian, Mich.; Mrs. F. F. Thompson, Canandaigua, N. Y.; Robert Ballantyne, gardener; A. N. Pierson, Cromwell, Conn.

THE BOSTON CHRYSANTHEMUM SHOW.

As we go to press the halls of the Massachusetts Horticultural Society present a scene of gorgeous beauty. Chrysanthemums and orchids shine resplendent in a setting of evergreens, palms and ferns, the judges are hard at work on their difficult duty and the public are thronging the open spaces, listening to the music and feasting their eyes on the scene, brilliant under hundreds of electric lights. It is a delight to the old enthusiasts to see the big trained specimen plants once again on deck. W. A. Riggs, W. C. Rust, Thos. W. Head, and James Marlborough are the rivals this year. In the groups of foliage and flowering plants covering 300 square feet, Edw. MacMulkin and T. D. Hatfield are represented. MacMulkin's is a stately production in which palms and bays predominate; Hatfield's is composed principally of pot chrysanthemums. Mrs. J. L. Gardner also has a handsome group edged with fine plants of *Selaginella Emiliania*. R. & J. Farquhar & Co. have a very extensive display of large ciphers in tubs, also Lorraine begonias and cactus dahlias in pots. In the commercial plant groups, W. H. Elliott and Wm. McGillivray are competitors, and in the other plant classes are found Martin Sullivan, E. H. Wetterlow, J. L. Smith and other local growers. E. H. Wetterlow and E. A. Richards, from Manchester and Greenfield, respectively, also James Nicol of Quincy, are entered for the Gane prizes. In the pompon classes, R. Vincent, Jr. & Sons Co., and the Bellevue Nurseries are represented by large and effective displays. The gigantic vases of 75 specimen blooms each, are as heretofore a unique feature of this show. W. W. Edgar Co., T. W. Head, James Nicol, Edw. MacMulkin, Mrs. E. M. Gill, D. F. Roy, Thos. W. Head, N. F. Conley and Wm. A. Riggs are conspicuous in this class. In the various other cut flower classes, Thomas Howden, Peter B. Robb, W. C. Ritchie, E. K. Butler, Wm. McGillivray, Mrs. E. M. Gill, D. F. Roy, Thos. W. Head, H. A. Abraham, Wm. Swan, W. N. Craig, W. S. Russell, and F. H. Kennard are all prominent contributors and the competition in vases of one specified

color is exceedingly active, there being numerous entries. The flowers from Mr. Robb and Mr. Howden, both of Whitinsville, are remarkable for size and finish, as are those from T. W. Head, who is a very large contributor.

Wheeler & Co. represented by J. Mutch, and Edw. MacMulkin, are competitors in the class for table, 50 square feet, of orchids, both beautiful. Lager & Hurrell have 25 square feet filled with orchids. Julius Roehrs Co. stage new Croton F. Sander and some choice cypripediums. Riverside Greenhouses show seedling coleus. Peter Fisher, Patten & Co., and S. J. Goddard are in with some handsome carnations. The entries for dinner table decorations of chrysanthemums are Edw. MacMulkin, Mrs. E. M. Gill and W. J. Creed. Next week we shall tell who won out.



CHRYSANTHEMUM DONATELLO

NASSAU COUNTY HORTICULTURAL SOCIETY.

The fifth annual fall show of this society, which was held in Pembroke Hall, Glen Cove, Oct. 28th and 29th, was a notable success in every way. Chrysanthemums were on a whole, much better this year than in previous years. The vegetables also were of a very high standard and the judges, in several instances, had quite a difficult task to pick the winning exhibit. A novel feature was introduced at this show by Mrs. B. Sterns—the offer of a premium for the best model of a flower garden exhibited by an assistant gardener. M. Sims, assistant for J. Ingram, landscape gardener, Oyster Bay, showed considerable skill in his model and was awarded first premium. D. Beaton, assistant for S. J. Trepass, won second prize with a very neatly executed design. Mr. F.

Moquin, assistant for G. Wilson, also showed good taste in the arrangement of his model. The principal prize winners in the chrysanthemum classes were: A. Mackenzie, superintendent for P. C. Chubb; J. F. Johnston, superintendent for P. Dava; J. Elmslie, superintendent for W. L. Harkness; W. Eccles, superintendent for M. Schiff and J. Robinson, superintendent for C. Hoyt. The blooms staged by Mr. Eccles and Mr. Elmslie were exceptionally fine. Mr. Eccles' vase of Beatrice May in the class for six white being the largest blooms of that variety the writer has ever seen. Mr. Eccles was awarded the prize for the largest bloom in the show for a flower of that variety. Mr. Eccles staged a fifty-foot group of chrysanthemums which deserves special comment—the class of stuff used and the arrangement both being fine.

Other winners of first or second prizes in addition to the exhibitors above named were: C. W. Knight, R. Cartwright, J. Ross, J. W. Everett, G. Wilson and S. J. Trepass in chrysanthemums; V. Cleres and G. Wilson in roses; J. Ingram and H. F. Matz in carnations. Other prize winners in the miscellaneous classes were H. Gant, E. R. Reidenbach, J. O'Brien, F. Pettrocia, G. Ashworth, J. Macdonald.

President Everett won the silver cup offered by Mrs. H. T. Pratt for best collection of fruit. H. Gant has the honor of having his name inscribed upon the Troy cup for collection of outdoor roses. This cup has to be won three times before becoming the property of an exhibitor. J. F. Matz exhibited a floral design for which he was awarded a certificate of merit.

The judges were Wm. Turner, Oceanic, N. J.; J. F. Huss, Hartford, Conn. and Peter Duff, Orange, N. J. J. Duthie proved an able manager.

WM. A. MACKENZIE, Cor. Sec.

MADISON (N. J.) SHOW.

The 14th Annual Flower Show of the Morris County Gardeners' and Florists' Society was a success in every way. The attendance was considerably larger than on any other like occasion. What we have been working for so long, is to awaken public interest, and it looks as if the time is fast coming. Several automobile parties came a distance of 40 miles just to see the show. The show itself was very satisfactory—the quality of the flowers and the way they were arranged.

There were fewer chrysanthemums than in other seasons, but what was wanting on this end was more than made up in roses and carnations. There was never shown in any place a finer lot of either.

Lager & Hurrell had a very choice collection of orchids, and Harry Turner had his *Celosia* "Castle Gould" in fine shape. He brought two seedling chrysanthemums from Lenox, one well-named "Big Bill Taft" and the other the "Suffragette." Some of the ladies thought it was too nice a flower for the name. C. H. Totty says, "It is all right for she has two or three mean habits." Duckham's central group was, as always, a feature, and the committee of arrangements deserve great credit.

E. R.
The list of awards at this show is held over, for lack of room, until next week when it will appear in full.

NEWS OF THE CLUBS AND SOCIETIES

HORTICULTURAL SOCIETY OF NEW YORK.

The regular monthly meeting of the society will be held at the American Museum of Natural History, 77th St. and Columbus Ave., N. Y. City, at 4 p. m., on Wednesday, November 10th, 1909. The Chrysanthemum Society of America will be holding its meeting in N. Y. City at that time, and in view of this fact it was thought appropriate to devote this meeting of the Horticultural Society to that popular flower. A paper will be presented by Mr. W. H. Waite, one of the most successful growers of the chrysanthemum, followed by a general discussion by others.

Facilities are available at the American Museum of Natural History for the display of cut flowers and plants, and those having choice or unusual specimens are requested to bring them to the meeting. A hearty invitation is extended to all, especially to those who may be visiting N. Y. City, to attend this meeting and join in the discussion. All are welcome. This will give an opportunity to those, who are not familiar with the American Museum of Natural History, to see what a fine building and admirable facilities are at the disposal of the Horticultural Society of New York, not only for the holding of its monthly meetings and exhibitions, but also for its large exhibitions. The building is easily accessible from all parts of the city, and this will probably appeal strongly to visitors. For the benefit of visitors it may be stated that the American Museum of Natural History may be reached by subway, the elevated lines on 6th and 9th avenues, and by surface lines on 8th and Columbus avenues.

AMERICAN CARNATION SOCIETY.

The following varieties have been entered in our new section thus far: Mrs. J. C. Vaughan, Pink Delight, Mrs. Chas. Knopf, Ruby, Mayday, O. P. Bassett, Wanoka, Apple Blossom, Georgia, Bay State, W. H. Taft, Gov. Dineen, Alvina. Each variety will constitute a class by itself, for which the disseminator offers a first premium of \$6.00 and a second premium of \$4.00.

In each class 50 blooms are to be shown, except in the class for Alvina, which calls for six plants grown in not over 8 in. pots.

Anyone wishing to offer other special premiums, should forward full particulars at once, in order to reach me before the premium list goes to press.

A. F. J. BAUR, Sec.

Indianapolis, Ind.

FLORISTS' CLUB OF WASHINGTON.

At the meeting of the Florists' Club on November 2nd, there was an unusually large attendance. The main interest of the meeting centered in the approaching flower show. All are striving hard to make this the "finest ever." The subject of street fakirs was again taken up, and the secretary was instructed to write to the commissioners, asking whether or not the department stores have a right to sell flowers without a regular florists' license.

A motion was carried to invite the Baltimore florists over for Tuesday night, November 9th.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Chrysanthemums.

Public notice is hereby given that Samuel Cockburn and Sons, of Woodlawn, New York, N. Y., offer for registration the plant described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description—Grows about two feet high. Can be cut 1st to 5th of October; dark green foliage. Parentage—Glory of Pacific. Color, mauve pink. Size of flower, about 5 inches. Originated with us about four (4) years ago. (The Chrysanthemum Society of America passed on this in New York, Philadelphia and Cincinnati in 1908 (Fall)).

Name—Dr. Frederick A. Cook.

W. N. RUDD, Secretary.

Date—October 30, 1909.

FLORISTS' CLUB OF PHILADELPHIA.

At the meeting of this club on Tuesday evening last two vases of White Killarney rose showing strong and vigorous growth were exhibited by the S. S. Pennock-Meehan Co. These were grown by the A. N. Pierson Co., Cromwell, Conn.

Joseph Heacock and Edward Towill gave a description and history of the new Dorothy Gordon carnation. The committee reported on this carnation as follows:

Joseph Heacock Co. exhibited two vases of Dorothy Gordon carnation. Flowers $3\frac{1}{2}$ to 4 inches in width; stems 24 inches and over. Good pleasing color, a shade of pink similar to Rose Pink Enchantress, but more uniform and larger and better substance. The flowers in one vase were four days old and they were in fine condition, which speaks well for the keeping quality. The stock seems very clean and healthy. Dorothy Gordon is without doubt a splendid commercial variety.

(Signed)

LEO NIESSEN,
ROBERT KIFT,
Committee.

Chas. H. Fox will read a paper at the next monthly meeting of the club, the first Tuesday in December.

ST. LOUIS HORTICULTURAL SOCIETY.

Flower Show.

At the Coliseum on afternoons and evenings, November 9th to 12th, will be held the greatest Flower and Pomological Display ever made in St. Louis. Many novel and picturesque effects. Concert every afternoon and evening by Poepping's Band.

There has been donated by the Mermod Jaccard & King Jewelry Co. a silver cup for the best 100 chrysanthemums, "any variety." The chrysanthemums as well as the American Beauties are to be staged the first day of the exhibition, November 9th.

Will all members of Ladies' S. A. F. and other visiting ladies to the St. Louis Flower Show come to Miss M. Meinhardt at the Coliseum Building, Tuesday, November 9th, 2 to 5 and 7 to 9 p. m., as she wishes their names.

CHRYSANTHEMUM SOCIETY OF AMERICA.

It is Mr. Thomas Proctor of Lenox, Mass., not Mr. David Fraser, as previously announced, who is to present a paper on "Pot-Grown Chrysanthemums for Exhibition Cut Blooms" at the New York meeting of the Society.

Work of Committees.

New York—Oroba. Jap., white. Exhibited by Elmer D. Smith & Co., Adrian, Mich., 86 points. Certificate.

Cincinnati, Ohio—Same variety. Same award.

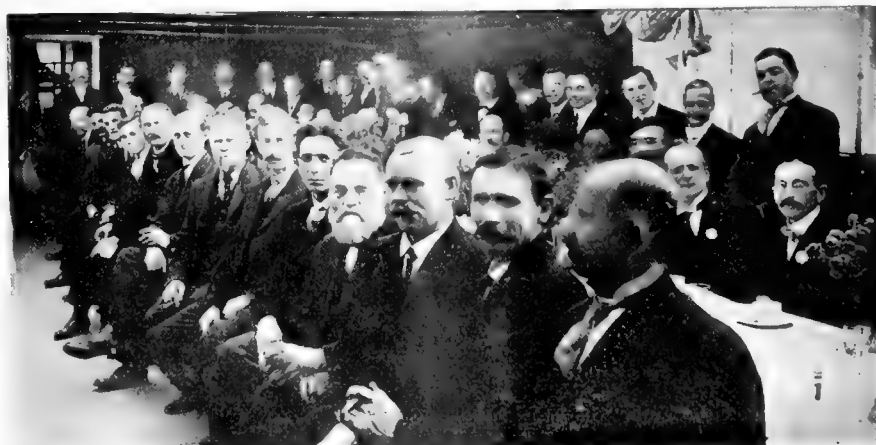
Cincinnati, Ohio—Donatello (exhibited in 1908 as No. 36-41) Jap., yellow. Exhibited by Elmer D. Smith & Co., 88 points. Certificate.

Madison, N. J.—Mrs. W. Arnold, Jap., white. Exhibited by C. H. Totty, 88 points. Certificate.

CHAS. W. JOHNSON, Sec'y.

A VISIT TO ELMER D. SMITH & CO.

Good delegations from the Detroit and Toledo Florist Clubs visited, on invitation, the noted establishment of Elmer D. Smith & Co. at Adrian, Mich., on October 30. Those who went were well repaid for the trip. They found the chrysanthemums about two weeks later than last year. There were many promising novelties to be seen, especially among the Pompons. The inner man was well taken care of.



DETROIT AND TOLEDO FLORISTS' CLUBS VISITING ELMER D. SMITH & CO.

Before You Think Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

We have just what you need.

William W. Edgar Co.
WAVERLEY, MASS.

A FEW FINE PRINCESS OF WALES VIOLET PLANTS

At \$5.00 per 100

WILLIAM SIM
Clifftondale, Mass.

We still have a few thousand

AZALEAS

to offer at import prices in the best commercial varieties, also Bay and Box Trees, Euonymus, Eurya Latifolia, Araucaria, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus and Small Ferns for Dishes in best sorts at lowest wholesale prices.

Wholesale Price List on Application.

A. LEUTHY & CO.
PERKINS ST. NURSERIES
ROSLINDALE, BOSTON, MASS.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria, Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Arecia Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohlii, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
PHILADELPHIA, PA.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES



HYDRANGEA Hortensis Otaksa

Splendid field grown stock, suitable for six inch pots, 3 to 4 leads, in prime condition to force for Easter.

\$3.50 per dozen \$25.00 per 100

HENRY A. DREER
714 Chestnut Street
PHILADELPHIA, PA.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, N. J.

Given Away If Taken Away At Once

To clear our benches for work, we will literally give away 50,000 stock mums at \$2.00 per 100; \$15.00 per 1000; 10 of a kind in 100 lots allowed, 25 of a kind in 1000 lots allowed. List—

GOLDEN GLOW, OCTOBER FROST, ROSERIE, BERGMANN, POLLY ROSE, PACIFIC SUPREME, WHITE CLOUD, MONROVIA, ALICE ROOSEVELT, ALICE BYRON, TOUSET, ENGUEHARD, EATON, WHITE BONNAFFON, APPLETON, WINTER CHEER, BAILEY, WHITE DEAN, NONIN, GOLDEN WEDDING, CLAY FRICK, INTENSITY, BLACK HAWK, and many others—all the staple and newer ones.

SPECIAL:—**GOLDEN EAGLE**, best new yellow, and **LYNNWOOD HALL**, best late white, \$3.00 per 100.

I. M. Rayner
GREENPORT, N. Y.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100 6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 7 in. pots..100.00

THOMAS ROLAND, NAHANT, MASS.

VIOLET PLANTS

Surplus stock; Princess of Wales, \$4.00 per 100. Healthy strong plants, ready for shipment. Cash with order.

RAEDER CO.

259 Fairmount Ave., Hyde Park, Mass.

Geraniums—Rooted Cuttings

30,000 S. A. Nutt. To close out bedding stock I will give special prices in lots of 500 or 10,000. Orders booked on the following varieties for November and December delivery. Ricard, Poitevine, Doyle, Viaud, \$12.00 per 1000 Nutt, Jaulin, Castellane, Buchner, Grant, \$10.00 per 1000. **CASH WITH ORDER.**

FRED W. RITCHY, - Lancaster, Pa.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also fine list of

Christmas and Easter Plants

Also others. Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N.Y.

Field Grown Carnations

400 Queen, 300 Fair Maid, \$6.00 per 100. 100 Lawson \$4.00 per 100. Princess of Wales Violets \$5.00 per 100. Cash.

CHARLES H. GREEN,
SPENCER, MASS.

ASPARAGUS

SPRENGERI AND TENUISSIMUS

From 4 inch pots ready for 6 inch
\$6.00 per 100

Elmer D. Smith & Co., Adrian, Mich.

PANSY PLANTS

From my well-known strain, none better; also DAISIES (bellis) and FORGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

J. C. SCHMIDT, - BRISTOL, PA.

NOW READY

Zirngiebel's Fine Strain of

PANSY PLANTS

they can't be beat; well known for a century; good strong plants, 50c per 100, \$4.00 per 1000.

AUGUSTUS ZIRNGIEBEL,
EAST NORWICH, N. Y.

In ordering goods please add "I saw it in HORTICULTURE."

CHRYSANTHEMUM SEASON AT PITTSBURGH.

The chrysanthemum season opened in Pittsburgh, September 17th, with exhibitions at the Frick and Peacock Conservatories. At the Frick greenhouses D. Fraser has a display which as usual is perfect in arrangement and exceptional in quality. The chrysanthemums are the chief attraction, and while many of the flowers are as yet undeveloped, there are many very fine large blooms. The early buds this season have proved somewhat disappointing, many very fine, healthy, vigorous stems, with splendid foliage, producing gigantic buds which, when open, develop short-petaled flowers. With some varieties this is not the case, the early buds on such varieties as Mrs. Trainter, Reginald Valis, Beatrice May, Wm. Duckham and many other standbys being particularly fine. The later buds give promise of a fine display. In the other sections fine effects are obtained by the skillful arrangement of foliage plants—ferns, cattleyas, begonias, oncidiums, primulas, and many other things, all of which Mr. Fraser knows just how to arrange to produce the effects which are always a unique characteristic of the H. C. Frick exhibitions.

In spite of a severe hail storm in August, which broke nearly all the glass and defoliated many of the plants, the exhibition at the Peacock greenhouses contains some very fine chrysanthemum flowers of exceptional size and quality. Very fine blooms were noticed of President Viger, Lillian Coffard, Yellow Miller, W. H. Moir, Lady Hopetown, O. H. Broomhead, Mrs. Geo. Hunt, Mrs. Henry Part-ridge, Reginald Valis and Mrs. J. H. Trainter. The last named Supt. Jenkinson thinks the most useful white at present in cultivation. Many new varieties are shown, amongst the finest being C. H. Totty, dark bronze, G. W. Pook magenta, Rose Pockett yellow, Mrs. C. H. Totty shell pink, Pockett's Surprise deep crimson, Leslie Morrison crimson, Pockett's Crimson, and Mrs. O. A. Khan, yellowish bronze. Many other good things are found here. Some well-flowered Cattleya labiata, arranged with highly colored crotons and ferns on the centre bench in one of large compartments with chrysanthemums on the sides from which the benches have been removed, give a charming effect.

In the growing houses are some fine cyclamens, Calanthe Veitchii in fine shape, showing many strong flower spikes. There is a house of tea roses nearly filled with "My Maryland" which certainly is the rose for Pittsburgh. The foliage is entirely free from mildew, the stems and necks strong. Foreman Alex. McLeod, as an object lesson on the immunity of this variety from mildew, called our attention to a side bench of White Killarney in the same house badly affected.

The magnificent greenhouses of H. J. Heinz were opened to the public, October 24th, with the finest display of chrysanthemums and other flowers ever seen in these greenhouses. Since the spring exhibition a considerable addition has been made to the range, making it one of the best equipped establishments in the district. The new

MR. BUYER Make Yourself Familiar With THE BEST

Our stock is exceptionally fine this season and we can assure you of the very highest quality in the plants listed.

CROTONS, 4 in., \$25.00 per 100; 5 in., \$6.00 and \$9.00 per doz.; 6 in., \$9.00, \$12.00 and \$15.00 per doz.; 7 in., \$24.00, \$30.00 and \$36.00 per doz.; 8 in., \$3.00 and \$4.00 each.

CYCLAMEN WELL BLOOMED, \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per doz.

BEGONIA LORRAINE, DARK AND LIGHT, WELL BLOOMED, 3 in. pots, \$25.00 per 100; 4 in. pots, \$40.00 per 100; 5 in. pots, \$6.00 per doz.; 6 in. pots, \$9.00 and \$12.00 per doz.; 7 in. pots, \$15.00 and \$18.00 per doz.; 8 in. pots, \$24.00 and \$30.00 per doz.; 12 in. pots, \$6.00 each.

DRACAENA MASSANGIANA, 6 in. pots, \$15.00 and \$18.00 per doz.; 9 in. pots, \$4.00 and \$5.00 each.

ARECA LUTESCENS, 6 in. pots, \$12.00 and \$15.00 per doz.; 7 in. pots, \$18.00 and \$24.00 per doz.

NEPH. AMERPOHLII, SCOTTII, TODEAOIDES, IN GOOD CONDITION, 6 in. pots, \$6.00 per doz.; 8 in. pots, \$12.00 per doz. Large plants at \$15.00, \$18.00, \$24.00 and \$30.00 per doz.

NEPH. BOSTONIENSIS, large tubs, \$3.00, \$3.50 and \$4.00 each.

Send a sample order and we will do business with you.

ROBERT CRAIG CO., 4900 Market St. PHILA., PA.

ROEHRS, RUTHERFORD N. J. LORRAINE BEGONIAS

glass, which, like the older sections, is of U-Bar construction, consists of a roomy show-house, a peach-house, grapery, plant-house and connecting corridor. A new work room, office, etc., has been added, and under the plant and show houses is a large concrete cellar with every convenience for handling and storing large bay trees, a mushroom cellar, flower rooms, storage, etc. Outdoors are concrete heated pits and frames for every conceivable purpose. The arrangement of each compartment has been carefully planned. Cellars, work-rooms, office and greenhouses are all fitted with electric lights. Three large Lord & Burnham boilers heat the whole range.

The chrysanthemums are fine; many of the new as well as standard varieties are represented by well developed flowers. Amongst the best noted were: O. H. Khan, Leslie Morrison, Yellow Miller, President Taft, Mrs. Geo. Hunt, Edith Smith, Reginald Valis, Dorothy Eady, O. A. Broomhead, Mrs. Trainter, Dazzler, and Brilliant. The last named makes an excellent bush plant. The show-house was skillfully arranged, the centre bench of Cattleya labiata and Oncidium varicosum amongst superb plants of Adiantum Farleyense giving a charming effect. In the same house a combination of Lillium Harrisii, begonias, Amaranthus salicifolia, Strobilanthes Dyerianus, ferns, lily of the valley and other useful things were used to advantage. Begonia Vernou gracilis as an edging plant is very effective. In this compartment we noticed a magnificent hanging basket of the rare Polypodium Knightii. A novel feature of the exhibition was one of the corridors filled entirely with plants in fruit. Tomatoes and peppers

of various shapes and colors, Solanum capsicastrum, Ardisia crenata, and oranges were arranged with telling effect.

In the palm house are some noble plants, amongst which we noticed a fine basket of Polypodium subauriculatum, better known as Goniophlebium subauriculatum. The other sections contain many evidences of the skill of Supt. John Featherstone and his staff of assistants. J. HUTCHINSON.

BUSINESS CHANGES.

St. Paul, Minn.—Wm. Swanson has bought the greenhouses of Carl Haugen.

New Britain, Conn.—C. A. Parker has purchased the Traut greenhouse property.

New Haven, Conn.—F. H. Kimberly has disposed of his greenhouse property to Charles Munro.

Willoughby, O.—The greenhouse establishment of H. R. Carlton has been sold to Jas. B. Knight and A. B. Wilson.

Beatty, O.—The Fairview Floral Company establishment has been sold at receiver's sale to the Geo. H. Mel-len Co. of Springfield.

Westfield, Mass.—Henry Barton has sold his florist business at 58 Elm street and his greenhouse on Noble street to C. H. Jacobs, who will take possession Nov. 1. Mr. Jacobs is already in the florist business, having his greenhouse on Smith avenue. Mr. Barton first started in business nearly 9½ years ago, and has built up a large business. He has made no definite plans for the future.

Come and See DOROTHY GORDON

growing and judge for yourself of its good qualities.

Orders for 60,000 R. C. have been booked without spending anything for printers' ink.

DOROTHY GORDON is beyond question the best commercial pink carnation in sight today. Its pedigree, *Lawson on Enchantress*, alone should recommend it to every carnation grower, but pedigree is by no means its chief merit. It possesses many of its own, such as

- 1st Vigorous constitution and freedom from disease.
- 2nd Size. Blooms average over 3 inches, of excellent form.
- 3rd Color. Resembles Rose Pink Enchantress, but is superior to that variety in being more uniform.
- 4th Long stiff stem.
- 5th Fragrant.
- 6th Keeping qualities of the best.
- 7th Blooming qualities 30 per cent. better than Enchantress.

We had a stock of 6,000 plants last season. The flowers were all sold at the holidays to the trade in Philadelphia at \$12 per 100 and uniformly sold for 50 per cent. more than we got for Enchantress during the rest of the season.

DOROTHY GORDON will be disseminated during the winter of 1909 and 1910 at the popular price of \$10.00 per 100, \$75.00 per 1000. Strictly on its merits. No carnation grower can afford to be without it. Come and see it, examine our books, and decide for yourself. It must be sold on its merits or not at all. Orders filled in strict rotation.

Joseph Heacock Company, Wyncote, Pa.

Wyncote is 10 miles north of Philadelphia on Phila. & Reading R. R. 100 trains every week day.

Lily of the Valley Clumps

EXTRA STRONG

6 to 12 pips. For immediate delivery.

\$10.00 per 100
90.00 per 1000

Skidelsky & Irwin Co.,

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A. N. PIERSON, Inc., Cromwell, Conn.

FULL LINE OF PALMS AND FERNS

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ORCHIDS IN BLOOM
ROEHRS, Rutherford, N. J.

Boston Ferns

NEPHROLEPIS BOSTONIENSIS
Harris Type

This is the best of all the Boston ferns.

2½ in., \$6.00 per 100; \$50.00 per 1000
2 in., 450 per 100; 40.00 per 1000

Good strong plants ready for shift.

RANDOLPH & McCLEMENTS

Baum and Beatty Sts., PITTSBURG, PA.

ORCHIDS

All Orchids. Nothing but Orchids.
Best Orchids. Good Orchids.

We Collect Them. Write Today.

CARRILLO & BALDWIN, Secaucus, N. J.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½ in. stock, \$25.00 per 100.

WHITMANII

2½ in., \$40.00 per 1000; 3½ in., from Bench.
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000,
Cash with order.

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NEW YORK CITY

ORCHIDS! ORCHIDS!

Arrived in first-class condition, C. Mossiae.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Gigas (Hardyana Type), C. Gigas
Sanderiana, C. Gaskelliana, C. Speciosissima, C. Chrysotoxa, Oncidium Furcatum,
Odontoglossum Luteo-purpureum, Miltonia
Vexillaria, Miltonia Roezlii and many
more. Write for prices.

LAGER & HURRELL, SUMMIT N. J.

**PALMS, FERNS AND
DECORATIVE PLANTS**

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

AMERICAN NURSERYMEN'S ASSOCIATION.

John Hall, who has been secretary of the Western New York Horticultural Society for the past twenty-one years, has been appointed secretary of the National Nurserymen's Association to fill the vacancy caused by the resignation of George C. Seager. Mr. Seager has been secretary since 1894. Mr. Hall is well qualified to fill the office and the appointment is considered a good one by the members of the Association.

The lateness of the chrysanthemums this year has caused the Detroit Florist Club to change the date for its show to November 19. "Why are florists averse to commercial bookkeeping?" was a query drawn from the question box at the last meeting of this club.

LEESLEY BROS. Ornamental Trees, Shrubs and Hardy Plants

Tempting Quality and Tempting Figures
on the following

BRIDAL WREATH
(Spiraea Van Houttei)

SIBERIAN DOGWOOD
(Cornus Sibirica)

HIGH BUSH CRANBERRY
(Viburnum Opulus)

MOCK, ORANGE OR SYRINGA
(Philadelphus) in variety

We Have Everything for Beautifying
the Landscape.
Wholesale Catalogue Free Upon Ap-
plication.

Write us for anything you may want.

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ROEHRS RUTHERFORD, N. J. EVERGREENS

Privet Hedge by the Mile

We grow California Privet by the (square) mile and sell it by the (running) mile. Our extensive advertising of this superior hedge is helping to create demand for it in every section. Not all of this demand can be taken care of by us—every florist will have calls for California Privet this fall and next spring. YOU want to be ready to supply demands of this character and to

**Get Your Share
of this Privet
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The extensive acreage on which we produce California Privet enables us to offer it to you for less money than it would cost to grow it. Our superior facilities for handling of the stock enables us to offer you a better grade. Let us send you details of the largest and most complete assortment of Privet to be found in America, with special trade quotations.

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JOHN WATERER & SON, Ltd. American Nursery Bagshot, England

Are Specialists in the

REALLY HARDY VARIETIES
of Rhododendron Hybrids and in Select Varieties
of Hardy Border Plants

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

DOROTHY PERKINS

Several thousand strong plants, six to eight branches, five to eight feet, fine for forcing, at \$10.00 per 100; also a few hundred WM. C. EGAN at \$12.00 per 100.

HOOPES, BRO. & THOMAS CO., West Chester, Pa.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HARDY PERENNIAL PLANTS SPECIAL OFFER.

Doronicum excelsum, \$6.00 per 100. Doronicum caucasicum, \$5.00 per 100. Veronica longifolia subsessilis, \$4.00 per 100. Write for prices on Hardy Perennial Plants.
OLD TOWN NURSERIES, S. NA'ICK, MASS.

Bobbink & Atkins

Nurserymen and Florists

Rutherford, - N. J.

BOXWOOD AND EVERGREENS

Boxwood, Pyramid:

2½ ft. ... \$1.00 each	4½ ft. ... \$.35 each
3 ft. ... 2.00 each	5 ft. ... 4.00 each
8½ ft. ... 2.50 each	5½-6 ft. ... 5.00 each
4 ft. ... 3.00 each	6 ft. ... 6.00 each

Boxwood, Bush:

12-15 inches.....	.25 each
15-16 inches.....	.35 each
18-24 inches.....	.50 each
24 inches.....	.75 to \$1.00 each
Larger sizes, \$1.50, \$2.00 & \$2.50 each	

We have a large quantity and fine as-
sortment of small EVERGREENS for
Window Boxes and Vases:

10-12 inches.....	\$20.00 per 1000
12-15 inches.....	25.00 per 1000
15-18 inches.....	35.00 per 1000

KENTIAS AND BAY TREES

Our stock is larger and finer than
ever. We can fill orders for all sizes.
A Visit to our Nursery will convince
you we have the quality that gives sat-
isfaction.

AZALEAS.

Have arrived in splendid condition. We have all the
most important varieties and sizes. Ask for prices.

Ask for Wholesale Catalog

NARCISSUS BICOLOR VICTORIA

The finest of all the bicolor varieties. We offer a grand lot of mother, or double-nosed bulbs. These bulbs are exceptionally fine, as indicated by the number of bulbs in a case, cases containing 1,250 each.

Full case lots, 1,250 bulbs, for \$25.00; less quantities, \$2.50 per 100.

Narc. Paper White Grandiflora.

Selected bulbs, 14cm. and up, 1,000 to the case, \$11.00; less quantities, \$1.50 per 100.

Narcissus Golden Spur.

Double-nosed bulbs, \$2.25 per 100, \$20.00 per 1000.

Narcissus Princeps.

Double-nosed bulbs, \$1.25 per 100, \$10.00 per 1,000.

Narcissus Emperor.

Double-nosed bulbs, \$2.00 per 100, \$17.50 per 1,000.

Narcissus Poeticus.

\$0.75 per 100, \$5.00 per 1,000.

Chinese Sacred Lilies.

Bundle of 120 bulbs for \$4.20.

Tulips.

	Per 100.	Per 1000.
Artus	\$1.50	\$11.50
Chrysolora	1.00	7.50
LaReine	1.25	9.50
Pottebakker White	1.25	10.50
Rose Luisante	2.25	
Yellow Prince	1.00	8.50
Murillo	2.00	17.00
Rex Rubrorum	1.75	15.00
Bizarres, mixed	1.00	7.50
Byblooms, mixed	1.00	8.00
Gesneriana Spatulata	1.25	10.50
Golden Crown	.82	6.50

Hyacinths.

Finest Selected Named, \$5.00 per 100, \$45.00 per 1,000. Fine Named, \$4.00 per 100, \$35.00 per 1,000. Separate Colors, \$2.50 per 100, \$22.50 per 1,000. Miniature, or Dutch Romans; Finest Named Sorts, \$2.00 per 100, \$18.00 per 1,000.

Gladiolus.

	Per 100	Per 1000
Colvilli alba "The Bride,"	\$0.75	\$5.50
Peach Blossom	1.00	8.00

Allium Neapolitanum 65 cts. per 100; \$4.50 per 1000.

Snowdrops.

Single 75 cts. per 100; \$6.00 per 1000.

Freesia refracta alba.

French-grown bulbs, mammoth size, \$1.25 per 100, \$9.00 per 1,000.

Lily of the Valley.

Our finest Perfection grade. New importation ready in November. Case of 250 o pips, \$26.00; less quantities, \$14.00 per 1,000.

Spanish Iris.

Mixed Colors, \$2.50 per 1,000; finest named sorts, \$4.00 per 1,000.

All of the above-named bulbs now ready except where otherwise noted. Complete list of bulbs in wholesale list, sent free on application.

F. R. Pierson Co.
Tarrytown-on-Hudson
NEW YORK.

HERE'S WHERE THE BULBS FLY

Just to dispose of a late importation. Your chance. Better take advantage of a good thing

HYACINTHS

	Per 100	Now	Catalogued
Single Named (Our selection. State color wanted)	\$4.75	\$5.50	\$8.50
Double Named	4.50	5.50	7.00
Single Unnamed, separate colors or mixed	2.35	2.50	
Double Unnamed,	2.35	2.75	

SINGLE TULIPS

	Per 100	Now	Cat.
Artus	\$1.15	\$1.30	
Belle Alliance	2.00	2.25	
Chrysolora	.75	.85	
LaReine	.90	1.00	
Yellow Prince	.80	1.00	
Duc van Thol, Scarlet	1.35	1.60	
Mixed, fine quality	.65	.85	

DOUBLE TULIPS

	\$2.25	\$2.60
Imperator Rubrum		
Murillo	1.75	2.00
Rex Rubrorum	1.65	1.85
Rubra Maxima	1.75	2.00
Superfine Mixed Early	.80	1.10

Not less than 50 bulbs of each kind.

SINGLE NARCISSUS

	Per 100	Now	Cat.
Princeps Maximus	\$1.80	\$1.00	
Empress	1.60	1.75	
Emperor	1.80	2.00	
Golden Spur	2.00	2.25	
Poeticus, Pheasant's Eye	.50	.65	
Poeticus, Burdigal	.50	.65	

DOUBLE NARCISSUS

	\$1.00	\$1.25	\$2.00	.75
Albo-pleno Odorato	.50			
Von Sion, True Daffodil	1.00			
Von Sion, Double Nose	1.80			
Mixed	.60			
Single Jonquills	.60		.75	
Chinese Lilies, per basket	1.10		1.25	

To secure these prices must mention this paper

JAMES VICK'S SONS, ROCHESTER, N. Y.

Special Fall Sale of Bulbs

Fall, 1909. 481,000 Bulbs Ready to Ship.

In ordering bulbs, please state whether by express or freight. If bulbs are not satisfactory on arrival fire them back at once at our expense. We carry only the best. We prefer to ship C. O. D., with privilege of examining. A trial order will convince.

SINGLE DUTCH HYACINTHS.

In red, rose, dark red, white, pure white, bluish white, blue, dark blue and yellow. All the same price, Per 100, \$2.50; Per 1000, \$20.

SINGLE TULIPS.

	Per 100	Per 1000
Bizard Prunkert, red and yellow	\$1.00	\$8.00
Canary Bird, pure yellow	1.00	8.00
Cardinal's Hat, dark red	1.00	8.00
Colour Ponceau, crimson and white	1.00	8.00
Jacoba Van Beieren, large, pure white	1.00	8.00
Lae Van Rhijn, purple violet	1.00	8.00
Ma Van Almabie, red and yellow striped	1.00	8.00
Purple Crown, dark purple	1.00	8.00
Very fine mixed	.80	6.00
Parrot Tulips, mixed	.80	6.00
Bizarre and Byblooms, mixed	.80	6.00
Breeder's Plain Colored, mixed	.80	6.00
Darwin Tulips, mixed	.80	6.00
Various species of Tulips, mixed	.80	6.00

NARCISSUS.

	Per 100	Per 1000
Paper White Grandiflora	\$1.80	\$6.00

FRITILLARIA MELEAGRIS.

Guinea Hen Flower, mixed	1 00	8 00
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IRIS.

Anglica, in superior mixture	1 25	10 00
Hispanica, in extra mixture	.50	4 00
Germanica, in extra mixture	1 50	12 50
Kaempferi, in extra mixture	1 25	10 00
Pavonia, the Peacock Iris	1 00	8 00
Iris Tuberosa (Snake Head)	1 25	10 00

GLADIOLIUS AMERICA, Calif. grown.

America, 7-in. circumference	5 00	40 00
America, 5 to 6-in. circumfr'n'ce	3 50	30 00
America, bulblets		5 00

CALLA LILY BULBS, Calif. grown.

Calla Bulbs, 3 to 4-in. circumference, fine	3 50	30 00
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Address all orders to

Berrydale Experiment Gardens, Holland, Mich.

Route No. 1, Box 54.

LOOK! LOOK! LOOK!

A Chance of Your Lifetime. Never to Return.

HYACINTHS, single in separate colors, per 1000, \$12.00.

HYACINTHS, to name, Gertrude, Giganthea, Moreno, Robert Steiger, Roi des Belges, Baron van Thuyll, pink and white, Grandeur a Merveille, Madame Van der Hoop, La Grandesse, L' Innocence, Paix de L' Europe, Grand Maitre, Czar Peter, King of the Blues, Lord Derby, Queen of the Blues, Regulus. All Hyacinths are true to name and of fine quality, per 1000, \$22.00.

TULIPS, single and double in separate colors, per 1000, \$4.00.

Artus \$6.00 per 1000
Belle Alliance 10.00 "
Cardinal's Hat 5.00 "
Duchess de Parma 5.00 "
Rose Blanche 4.00 "
Yellow Prince 5.00 "
La Candeur 8.00 "

CROCUS, striped, white and purple, \$1.50 per 1000.

A fine stock of BOXWOOD, in all sizes and shapes, specimen EVERGREENS, Pot grown DEUTZIA LEMOINEI, and LILACS, now ready for delivery.

F. W. O. SCHMITZ,

Prince Bay, N. Y.

Seed Trade

About Wholesale Prices.

The Wholesale Seedsmen's League prices which have been issued confirm fully the forecasts in last week's Seed Trade Notes. The advances predicted on the general line of garden peas have materialized in full, and it is quite generally recognized by leading leaguers that prices must go higher on many lines, for as one remarked about the present prices, "It is the first step, and we don't want to make it too long. Wait until we fix prices for the January lists." It is doubtful if peas will go much higher, but beans are likely to, and many items in melons, squashes and pumpkins, and possibly cucumbers, but from all information obtainable, there seems little justification for any marked advances in cucumber seed. It is thought by many that onion seed is priced too high. However this may be, there is time to correct any errors either way, before prices are finally fixed for the annual wholesale lists. It should be remembered that wholesale dealers are really only feeling their way at this season of the year or earlier, and are without sufficient data to be sure of their ground. By December they will know pretty nearly where they are at.

Offerings of peas are drying up. One large jobbing house has withdrawn offers on a number of important varieties, and asserts it will soon be sold out of every bushel of available surplus of all varieties. Those seedsmen, mainly retailers, who are always trailing the market, and ever from 50c. to \$1.00 per bu. on peas under current prices, are likely to meet with a disagreeable surprise when they really decide to buy. Such people almost invariably have to pay more, but this time it will not be so much a matter of price, as of getting reliable high-grade stocks. It is the system of "saving at the tap and losing at the bung." But it was ever thus, and will long continue the same.

For the Good of the Trade.

The warning to the seed and canning trades in last week's issue against buying any of the so-called "Farmers' Alaskas," a wild and degenerate type of peas grown by the farmers of Wisconsin, seems to have aroused certain parties to a defense of this stock, and angry criticism of the writer. It is pleasing to note that not a firm of high reputation has thus far expressed any but sentiments of warm approval of what we said, and as we are not making any strenuous efforts to please the former class, we shall go our own way, repeating the warning as often as may seem advisable. We may add in passing that it is the wounded bird that always flutters. There is no desire to break down the disclaimer, but it must not serve as a covert behind which to hide from the results of disreputable practices, and it would be a fine stroke of policy for the American Seed Trade Association or the Wholesale Seedsmen's League to go on record in this matter. Let it be known of all men that the disclaimer is to protect the honest seedsmen against unfounded claims, "strikes" and blackmail and not to give the fakir and humbug immunity. If our law-makers understood this better, there would be

Reliable Flower Seeds

VINCA

ALBA. White with rose centre.

ALBA PURA. Pure white

ROSEA. Pink.

Price, 20 cts. per trade pkt.; per oz. 60 cts.

MIXED. 15 cts. per trade pkt.; per oz. 50 cts.

ASPARAGUS

Plumosus Nanus

Greenhouse Grown Seed.

100 Seeds.....	\$ 0.50
500 ".....	2.00
1,000 ".....	3.50
5,000 ".....	16.00
10,000 ".....	30.00

Our Latest Wholesale Catalogue for the Asking.

Henry F. Michell Co. 1018 Market Street Phila.

less disposition to enact hostile legislation. Against such laws as that enacted by the State of North Carolina last year, the disclaimer is useless, unless each and every purchaser of seed can be induced to sign a waiver of the rights conferred by this act. This is a weighty and vital problem for the Seed Trade—the disclaimer, and its effect and relation to such enactments as those of North Carolina. The trade surely cannot afford to countenance its employment to defend flagrant violations of the law of common business honesty. But more hereafter.

Notes.

L. C. Matthews has opened a new grass seed house at Kimmund, Ill.

Hamilton, O.—The Gray Flower & Seed Store has opened for business at 151 N. 3rd street.

Omaha, Neb.—The Nebraska Seed Co. will build a two-story addition to its warehouse at 1208 Jones St., costing \$8,000.

Large-sized Longiflorum Giganteum lilies are very scarce, and there is considerable scrambling among the dealers to fill orders.

Yankton, S. Dak.—The Gurney Seed Co. has purchased the Yankton Nursery, which for years has been conducted by C. W. Gurney.

Hjalmar Hartmann, seed growers and exporters, of Copenhagen, Denmark, have sent out a handsome wall hanger, giving a life-size colored representation of Extra Earliest Dwarf Snowball Cauliflower.

Jersey City, N. J.—A two story seed house at Fifteenth and Provost streets, owned by Jacot & Mullen of 1 Water street, New York City, was damaged by fire on October 28 and \$50,000 worth of grass and other seeds destroyed. The firemen poured water on the burning seed bags for nearly four hours. The loss will aggregate \$70,000; insured.

MAKE THE FARM PAY

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

250 page catalogue free. Write to-day. The HOME CORRESPONDENCE SCHOOL. Dept. H. A., Springfield, Mass.

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Wakefield and Succession.
\$1.00 per 1000. \$3.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.

Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.

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White Marsh, Md.

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**Thorburn's
Bulbs**

Paper White Narcissus
and all other DUTCH BULBS
of High Grade.

A few **LILIUM HARRISII** "7/5" left at
\$37.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NOTICE

I have purchased all the assets of the A. J. Pieters Seed Company and will fill all contracts for 1909 crop. Deliveries are now being made and I shall have a surplus list ready in October. Please write me about what you want and let me quote you on 1910 crop.

Address all correspondence to

A. J. PIETERS
Seed Grower
HOLLISTER, - - CAL.

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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

Ward's Lily Bulbs



Not how cheap, but how good.

Ralph M. Ward & Co.
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High Grade Cut Blooms**

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Coates House Conservatory
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Both 'Phones 2670 Main.



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Bridgeport, Conn.—R. H. Hawkins,
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Boston.—Thos. J. Clark, Boylston
street, cor. Berkeley.

Moline, Ill.—Peterson & Elkstam
Bros., 540 Tenth Ave.

Cleveland, O.—Wilhelm Bros., South-
worth Block, Detroit, avenue.

Cambridge, Mass.—John McKenzie,
cor. Mass. Ave. and Davenport St.

Chicago, Ill.—C. Clemensen, 78th
street and Railroad avenue, store and
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STEAMER DEPARTURES

Allan Line.

Victorian, Montreal-Liverpool. Nov. 11
Sardinian, Montreal-London. Nov. 13
Hesperian, Montreal-Glasgow. Nov. 13

American.

New York, N. Y.-S'hampton. Nov. 18
Atlantic Transport.

Mesaba, New York-London. Nov. 13
Cunard.

Campania, N. Y.-Liverpool. Nov. 10
Ivernia, Boston-Liverpool. Nov. 16
Ultonia, N. Y.-Mediterranean. Nov. 11

French Line.

La Savole, New York-Havre. Nov. 11
Leyland Line.

Canadian, Boston-Liverpool. Nov. 10
North German Lloyd.

K. P'z'n Ceellie, N. Y.-Br'm'n. Nov. 9
G. Washington, N. Y.-Br'm'n. Nov. 16

Red Star.

Lapland, New York-Antwerp. Nov. 10
White Star.

Arabic, New York-Liverpool. Nov. 13
Adriatic, N. Y.-Southampton. Nov. 10
Dominion, Montreal-Liverpool. Nov. 13

TRADE NOTES.

Washington, D. C.—John H. Small,
president of the Board of Trade, and
Wm. F. Gude, president of the Cham-
ber of Commerce, were appointed joint
chairmen of a committee to entertain
the fifty-six members of the Japanese
nobility, who have been "doing" Wash-
ington the past week. The sightseers
visited Mt. Vernon, where they placed
a very handsome wreath made of
bronze magnolia leaves, lily of the val-
ley and orchids at the tomb of George
Washington.

F. H. Kramer is moving back into
his old quarters on F street, which
have been entirely remodeled and im-
proved.

Detroit, Mich.—A tone of general
satisfaction prevails in the trade. The
demand is good and the supply keeps
up well. Carnations still show some
backwardness, but having a good sup-
ply of chrysanthemums of all grades
this has no bad effect.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

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Flower Deliveries

In Brooklyn and other Long Island Points
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Fulton St. and Greene Ave., Brooklyn, N. Y.

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ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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For Steamers sailing from Montreal and Queb
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Careful attention and prompt delivery.

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FLORIST
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Massachusetts Ave.
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BOSTON.

Just What You Have Been Looking For!

Rustic Hollow Logs for Ivy
Planting, \$1.00 up.

Laurel, Cedar, Pine and Autumn
Branches for all decorations,
50c. up.

Rustic Cedar Bark, 100 sq. ft.,
\$2.50 in b'd'ls.

Grape Vine, per coil, \$2.00.

Cedar Post and Poles, per ft.,
3c. up.

Loose Laurel, per bbl., \$1.00.

Pine Cones on branches, per
bbl., \$1.50.

Green, Sheet and Sphagnum
Moss, also Jersey Peat at Mar-
ket Prices.

Mapes' Rustic Works

CLAYTON, - - N. J.

BELL 'PHONE, 29 L

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Is elegantly equipped to take care prop-
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For Dayton, Ohio and Vicinity.

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THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants
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Send flower orders for delivery in Boston
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124 Tremont St., Boston

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Your orders for flower or plant deliv-
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tion HORTICULTURE.

PORTRAIT OF W. G. MATTHEWS.

This is the portrait of W. G. Mat-
thews, proprietor of the Dayton Floral
Company, Dayton, Ohio. Mr. Mat-
thews has been established in Dayton
since 1883. He has 20,000 sq. ft. of
glass, and runs a city store at the
Phillips House, 16 W. Third street. As
stated in his advertisement, he can fill



orders for flowers and designs in good
shape, in any part of southern Ohio.

PERSONAL.

Miss Elsa Bertermann, daughter of
John Bertermann, and Arthur Hotch-
kiss were married at Indianapolis,
Ind., on Oct. 21.

J. Fred Dawson of Olmsted Bros.,
has gone to Seattle, Wash., on impor-
tant business in connection with the
disposition of the Exposition grounds.

Walter B. Ridgeway, after having
been engaged for the past year and a
half in planting at the Alaska-Yukon-
Pacific Exposition, has returned to the
employ of the Eastern Nurseries, Ja-
maica Plain, Mass.

William J. Moore has been appoint-
ed manager of the Washington branch
of the Pennock-Meehan Co. and en-
tered on his duties November 1st. Mr.
Moore will undoubtedly give a good
account of himself in the new field.

Charles W. Cox has been appointed
to succeed Edwin Lonsdale as super-
intendent of gardens and grounds at
Girard College. Mr. Cox was garden-
er at the Penna. Hospital, Philadel-
phia, and previously had been in a
number of commercial and private
places. He is a man of fine experience
and a good grower.

A pleasant surprise was tendered to
James Salter, the genial president of
the North Shore Horticultural Society,
and also ex-Governor of the Jeffry
Colony United Order of Pilgrim Fath-

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Order direct or buy from your local supply
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BOSTON

Inscriptions, Emblems, etc., Always
in Stock

ers, on Tuesday evening, November 2,
at his home in Manchester, Mass., by
the Jeffry Colony and members of the
Society, the occasion being the anni-
versary of his birth. Dr. Tyler, in his
genial way presented him with a gold
chain and chain on behalf of his
friends in the Horticultural Society.
and Pilgrim Boyle presented him with
a beautiful easy chair. Mr. Salter was
much overcome, but managed to thank
his friends very feelingly. Refresh-
ments were served. The evening was
pleasantly spent with appropriate
speeches, also music and dancing, un-
til the clock struck the midnight hour.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.
Albany, N. Y.—F. A. Danker, 40 Maiden
Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boyl-
ston St.
Boston—Hoffman, Florist, 59-61 Massa-
chusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14
Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232
Michigan Ave.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071
Broadway.
Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
Montreal, Can.—P. McKenna & Son, St.
Catherine and Gay Sts.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 571 Fifth
Ave.
New York—Young & Nugent, 42 W. 28th
St.
New York—M. A. Bowe, 1294 Broadway.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F.
St.
Wellesley, Mass.—Talby.

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Choice varieties.

\$3.00-\$4.00 per dozen
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Greenhouses, - Morton Grove, Ill.

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CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens—WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

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Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 2	TWIN CITIES Nov. 2	PHILA. Nov. 2	BOSTON Nov. 4
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	12.00 to 20.00
Extra	20.00 to 25.00	15.00 to 25.00	15.00 to 20.00	8.00 to 10.00
No. 1	15.00 to 20.00	10.00 to 15.00	10.00 to 12.00	4.00 to 6.00
Lower grades	4.00 to 10.00	6.00 to 10.00	8.00 to 10.00	2.00 to 3.00
Bride, 'Maid, Chateaux, F. & S.	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	2.00 to 3.00
Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 4.00	.25 to 1.00
Killarney, Fan. & Sp.	8.00 to 10.00	6.00 to 8.00	6.00 to 8.00	2.00 to 6.00
Lower grades	3.00 to 6.00	4.00 to 6.00	3.00 to 5.00	.25 to 1.00
Richmond, Fancy & Special	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	2.00 to 6.00
Lower grades	2.00 to 4.00	3.00 to 6.00	3.00 to 4.00	.50 to 1.00
My Maryland	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	.50 to 6.00
CARNATIONS, Nov. and Fan.				
Ordinary	4.00 to 5.00	2.00 to 3.50	3.00 to 4.00	1.50 to 2.00
Ordinary	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Chrysanthemums, fancy	15.00 to 20.00	10.00 to 25.00	15.00 to 25.00	8.00 to 15.00
Ordinary	10.00 to 12.00	5.00 to 10.00	8.00 to 12.50	4.00 to 8.00
Cattleyas	35.00 to 50.00	40.00 to 60.00	40.00 to 60.00	20.00 to 30.00
Lilies	10.00 to 15.00	12.50 to 15.00	10.00 to 12.50	8.00 to 10.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Violets .....	.75 to 1.00	.50 to .75	.50 to .75	.20 to .40
Mignonette .....	.....	.....	.....	1.00 to 2.00
Sweet Peas .....	.....	.....	.....	.....
Gardenias	20.00 to 25.00	25.00 to 35.00	25.00 to 35.00	20.00 to 25.00
Adiantum .....	.75 to 1.00	1.00 to 1.25	1.00 to 1.25	.75 to 1.00
Smilax	10.00 to 12.00	10.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100) ..	40.00 to 50.00	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00
" " & Sprea. (100 bchs.) ..	35.00 to 50.00	25.00 to 35.00 to 50.00	15.00 to 25.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

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Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
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In our **GREENS DEPARTMENT** we have new crop Leucothoe, \$7.50 per 1000; \$1.00 per 100; Bronze Galax, the only stock in New England; Green Galax, new crop; New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

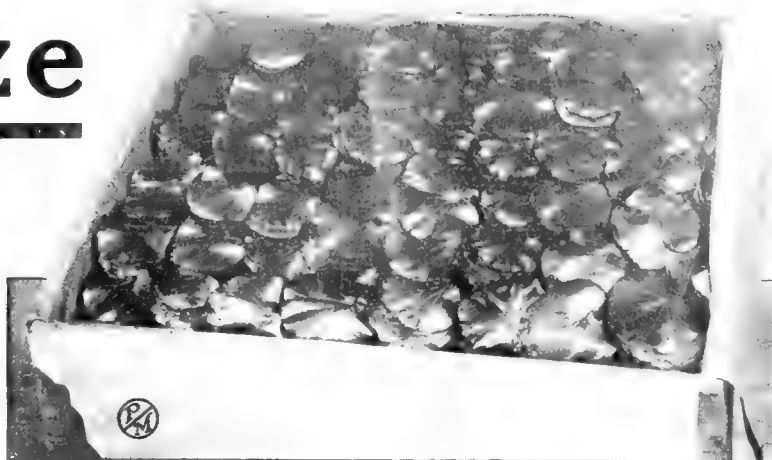
LONG DISTANCE PHONES, 2617-2618 MAIN.



Bronze Galax

This stock is in splendid condition, every leaf guaranteed. Never had better stock to offer the fall trade.

\$8.50 per case of 10,000



Some Specials for Hallowe'en Week

\$10.00 Box of Roses—500 of the best No. 2's, giving a very good assortment.

Carnations—Special, \$3.00; fancy, \$2.00 to \$2.50; 1st, \$1.50. In lots of 500 or more, good quality, cur selection, at \$2.00 per 100.

Chrysanthemums—Pink, white and yellow. Quality that makes these prices unusual. Fancy \$2.00 to \$3.00 per doz.; medium, \$1.25 to \$1.50 per doz.; small, \$5.00 to \$8.00 per 100.

Maryland, White and Pink Killarney—Some extra choice, long stemmed. Fancy, \$8.00; extra, \$6.00; No. 1, \$5.00; No. 2, \$3.00.

Beauties—Specials, \$30.00; fancy, \$25.00; extra, \$20.00; 1sts, \$15.00; 2ds, \$10.00.

Valley—Special, \$5.00 (limited quantity); extra, \$4.00; No. 1, \$3.00.

Gardenias—Per doz., \$3.00, very choice. Special rates on season contracts.

Cattleyas—Per doz., \$6.00; per 100, \$40.00.

Open from 7 a. m. to 6 p. m.

S. S. Pennock = Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON

Flower Market Reports.

The state of the market in Boston this week may be told in one word—slump. Warm weather and other contributing causes are to blame and there is no remedy but patience. Roses of all varieties are abundant and even first-class Beauties are given the unwelcome privilege of standing in the wholesalers' ice boxes until by reason of senility they become candidates for the old roses' home—the fakir's "hole-in-the-wall." Carnations are also down in value, although up in quality. Lily of the valley—finest ever—is in the same trouble. Chrysanthemums are in their height just now and are in part responsible for the trouble. They are selling low. So are violets and cattleyas.

Trade still continues active and there is plenty of everything in the line of cut material. Chrysanthemums came in more plentifully and thus far have moved at a good pace and at good prices. Sunday and Monday the temperature rising to 70 caused roses to come in full open and at time of

mailing this report (Tuesday) we are again loaded with material of all kinds, especially roses. Carnations are coming on more freely, select stock

selling on sight. It is hoped that cold weather will soon come upon us, not alone to moderate the supply but to accelerate the demand.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Nov. 2	DETROIT Nov. 2	BUFFALO Nov. 2	PITTSBURG Nov. 2
ROSES				
Am. Beauty, Fan. and Sp.	20.00 to 25.00	30.00 to 35.00	20.00 to 25.00	30.00 to 35.00
" Extra	15.00 to	25.00 to 30.00	15.00 to 20.00	20.00 to 25.00
" No. 1	10.00 to	18.00 to 22.00	6.00 to 8.00	12.00 to 15.00
" Lower grades	4.00 to 6.00	4.00 to 6.00	2.00 to 6.00	4.00 to 6.00
Bride, 'Maid, Chateaux, F. & S.	4.00 to 8.00	4.00 to 6.00	..... to 8.00	6.00 to 10.00
" Low. gr.	3.00 to 4.00	3.00 to 4.00	2.00 to 6.00	3.00 to 4.00
Killarney, Fan. & Sp.	4.00 to 8.00	4.00 to 6.00	..... to 8.00	6.00 to 8.00
" Lower grades	3.00 to 4.00	3.00 to 4.00	3.00 to 6.00	3.00 to 5.00
Richmond, Fancy & Special	4.00 to 8.00	4.00 to 6.00	5.00 to 6.00	6.00 to 10.00
" Lower grades	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
My Maryland.	4.00 to 8.00	4.00 to 6.00	3.00 to 8.00	4.00 to 10.00
CARNATIONS, Novelty and Fancy				
" Ordinary	4.00 to .....	..... to 3.00	..... to 3.00	2.00 to 4.00
"	3.00 to	1.00 to 2.00	1.00 to 2.00	..... to 1.50
MISCELLANEOUS				
Chrysanthemums, Fancy	20.00 to 25.00	..... to .....	..... to	20.00 to 30.00
" Ordinary	6.00 to 10.00	12.50 to 25.00	8.00 to 25.00	4.00 to 15.00
Cattleyas .....	..... to	30.00 to 50.00	..... to 75.00	60.00 to
Lilies	10.00 to 15.00	18.50 to 15.00	10.00 to 15.00	..... to 18.50
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets	20 to .30	.50 to .60	.50 to .60	.75 to 1.00
Mignonette .....	..... to .....	..... to	1.00 to 1.50	..... to
Sweet Peas .....	..... to .....	..... to .....	.50 to .60	.50 to 1.00
Gardenias .....	..... to	25.00 to 35.00	..... to 25.00	..... to
Adonis	1.00 to	1.50 to .....	.50 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 30.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	30.00 to 50.00	25.00 to 50.00	35.00 to 50.00
" " & Spruce (100 bchs.)	25.00 to 35.00	30.00 to 50.00	25.00 to 50.00	35.00 to 50.00

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48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,**
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

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New York

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LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
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Walter F. Sheridan

Wholesale Commission Dealer in

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ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF VALLEY ALWAYS
ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Oct. 30 1909	First Half of Week beginning Nov. 1 1909
American Beauty, Fancy and Special.....	12.00 to 20.00	12.00 to 20.00
" " Extra.....	8.00 to 12.00	8.00 to 10.00
" " No. 1.....	4.00 to 6.00	4.00 to 6.00
" " Lower Grades.....	.50 to 2.00	.50 to 1.00
Bride, 'Told, Golden Gate, Fancy and Special.....	2.00 to 5.00	2.00 to 4.00
" " Lower Grades.....	.25 to 1.00	.50 to 1.00
Killarney, Fancy and Special.....	2.00 to 4.00	3.00 to 6.00
" " Lower Grades.....	.25 to 1.00	.50 to 1.00
Richmond, Fancy and Special.....	2.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	.50 to 1.00	.50 to 1.00
Chatenay.....	.50 to 5.00	.50 to 5.00
My Maryland.....	.50 to 6.00	.50 to 6.00
Carnations, Fancy and Novelties.....	1.50 to 2.00	1.50 to 2.00
" Ordinary.....	.75 to 1.00	.75 to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

PHONES. 1664--1665 MADISON SQUARE

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FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist**

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Telephone 7062 Madison

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Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
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Tel. 4591 Main

ROSENS48 W. 29th Street, New York City
Telephone No. 1767 Mad. Sq.**FLORISTS' SUPPLIES**GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.**REED & KELLER**

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Houseware Decorative Greens and Florists' Requisites

BOXWOOD SPRAYS

Clean, Choice Stock, No Heavy Wood. Every case guaranteed. We ship everywhere. Let us quote you on your requirements, for shipment now or later.

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NEW YORK
Telephone 3559 Madison Sq.

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CONSIGNMENTS SOLICITED.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

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38-40 BROADWAY, DETROIT, MICH.

B. S. SLINN, JR.
VIOLETS

Selling Agent for the Largest and Best Growers in the Hudson River District.

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MEYER GREEN SILKALINE

See that you get the original.

For sale by all reliable houses.

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Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports.

(Continued from page 651)

CHICAGO The retailers have all they can do this week, which means that the wholesalers must also be very busy. A great abundance of chrysanthemums is the special feature of the market, and while prices are a little lower than the grower likes, the consumer is inclined to look at it with satisfaction. All other blooms can be said to be in about the right proportion to the demand, though carnations are still far from plentiful. The great topic of interest is of course the flower show, which demands every moment that can be given up to it. Some of the florists who have exhibits are finding it extremely difficult to get time to attend to their booths on account of the unusual amount of business this week.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN
EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 30 1969		First Half of Week beginning Nov. 1 1969	
Cattleyas.....	25.00	to 40.00	20.00	to 40.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Chrysanthemums.....	8.00	to 15.00	8.00	to 15.00
Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Violets.....	.20	to .50	.20	to .50
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (100 bchs).....	12.00	to 20.00	12.00	to 20.00

Trade conditions are of the best and from present indications will keep booming. While there is no general advance in prices worthy of note the best quality in the different lines bring top-notch prices. This is most noticeable in fancy Beauties and chrysanthemums. The quality of the latter is all that can be desired. The majority of stock is equal to show blooms. The single varieties have taken a strong hold and are grown and handled in large quantities. Mid-winter quality of carnations is already seen. Orchids, lily of the valley, sweet peas and violets are much used at the present time. Harrisii lilies are not in heavy demand, but good stock is procurable in quantities.

We are getting all
NEW YORK we ever get here in election week. Add

to this the warm temperature and the situation will be apparent to any one who is familiar with New York's flower market history. Stagnation and accumulation of stock is the condition most in evidence, but there is considerable activity in retail lines and it will require only a little fortitude on the part of those who are puzzled and all prospects are hopeful for the near future. Chrysanthemums are making the usual fuss and they are not getting much out of it themselves; while making the road a rough one for their floral fellow-travelers.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA, N. C.

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ASPARAGUS

Elmer D. Smith & Co., Adrian, Mich.
Asparagus Sprengeri and Tenuissimus.
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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.
Asparagus Sprengeri, 2 in., 2c. Hammerschmidt & Clark, Medina, O.
Asparagus Sprengeri, strong, 2-in., 2c. H. Klahr, Schoharie, N. Y.
250 Asparagus Sprengeri, 3-in., \$4.50 per 100. R. K. Stokesberry, Leetonia, Ohio.
Asparagus Sprengeri, 2½-in. pots, strong plants, \$2.00 per 100. Virginia Nursery Co., Purcellville, Va.

AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy, Roslindale, Mass.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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J. C. Schmidt, Bristol, Pa.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1123 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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H. F. Mitchell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lillies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lilly Bulbs, Horseshoe Brand.
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Schlegel & Fottier Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Narcissi, Chinese Sacred Lillies, Hyacinths, Lilium Longiflorum.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.
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Chas. H. Green, Spencer, Mass.
Carnations Field Grown.
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H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
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Baur & Smith, Indianapolis, Ind.
Patten & Co., Tewksbury, Mass.
Carnation Shasta.
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A. C. Brown, Springfield, Ill.
Carnation Sangamo.
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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.
Carnation Admiration.
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Wood Bros., Fishkill, N. Y.
Field Grown.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEDAR BARK

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For Covering Window Boxes.

CHRISTMAS AND EASTER PLANTS

William W. Edgar Co., Waverley, Mass.
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CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
R. T. McGorum, Natick, Mass.
Golden Glow Chrysanthemum Stock Plants.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
Golden Glow, Pacific Supreme, Polly Rose and Glory of Pacific. Stock plants, 25 assorted as wanted, \$1.00. Chas. Frost, Kenilworth, N. J.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Bangor Box Co., Bangor, Me.
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WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen giganteum, mixed, 2-in., 3c. H. Klahr, Schoharie, N. Y.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Atco, N. J.
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Willmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DAISIES

Queen Alexandra Daisies, rooted cuttings, \$1.00 per 100. Shasta Daisy Alaska, large field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Lenth & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street,
Chicago.
Ferns for Dishen.
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The F. B. Pierson Co., Tarrytown-on-
Hudson, N. Y.
Nephrolepis Elegatissima Compacta.
Also Nephrolepis Superbissima.
A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
Farleyense.
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Randolph & McClements, Pittsburg, Pa.
Boston Ferns.
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George A. Kuhl, Pekin, Ill.
Boston Ferns.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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FLORISTS SUPPLIES

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Boston.
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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
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Rosen, 48 West 29th St., New York City.
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Mapes Rustic Works, Clayton, N. J.
Rustic Vines, Branches, Bark, Etc.
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FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.
Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAs

Schlegel & Fottler, 26 & 27 So. Market St.,
Boston, Mass.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cnt Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Fred W. Ritchy, Lancaster, Pa.
Rooted Cuttings.

Geraniums, S. A. Nutt, Beauty Poitevine,
Madame Barney, Buchner, from field, 5c.
each; rooted cuttings, \$9.00 per 1000; un-
rooted, \$5.00 per 1000. Carl Dornbirer,
6417 Carnegie Ave., Cleveland, O.

Geraniums, Nutt, \$12.50 per 1000; Ricard,
Poitevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

Surplus stock of choice named gladioli.
Also bulbs and bulbets from my private
collection at bargain prices. L. Merton
Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d & Lumber Sts.,
Chicago.
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Parahelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham, 1133 Broad-
way, N. Y.

GLADIOLI

F. R. Pierson Co., Tarrytown, N. Y.

GLASS REPAIR CLAMP

Alexander Klokner, Wauwatosa, Wis.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and
fine crop of fish this season. No fungus;
no lice. Our little book, "The Gold Fish
Dealer's Guide," tells you how to handle
fish, prevent and cure diseases; free to cus-
tomers. Glen Mary Fish Farm, Chas. Pom-
mert, Prop., Amelia, O. Largest gold fish
hatchery in the world.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset,
Boston.
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King Construction Co., N. Tonawanda,
New York.
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Hitchings & Co., 1170 Broadway, New York.
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J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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R. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham.
1133 Broadway, N. Y.
Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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The Kervan Co., 113 W. 28th St., New
York.
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOLLYHOCKS

George F. Kimble, Flourtown, Pa.

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,
Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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INSECTICIDES.

Nicotidie kills all greenhouse pests.
P. B. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stumpp & Walter Co., 50 Barclay St.,
New York.
Kilmdead Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Geo. E. Talmadge, Inc., Madison, N. J.
Aplene.
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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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In writing to Advertisers kindly mention Horticulture

KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Bobbink & Atkins, Rutherford, N. J.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILY OF THE VALLEY CLUMPS

Skidelsky & Irwin Co., Philadelphia, Pa.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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MASTICA

F. O. Pierce Co., 12 W. Broadway, New
York.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
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NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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F. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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New England Nurseries, Inc., Bedford,
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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C. R. Burr & Co., Manchester, Conn.
California Privet: Berberry Thunbergii.
Eastern Nurseries, Jamaica Plain, Mass.
Trees, Shrubs, Evergreens, Vines and
Herbaceous Stock.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

Shade and Fruit Trees, Hedge, Berry
Plants, Asparagus Roots, Rhubarb. Ken-
tucky Nursery Co., Louisville, Ky.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Saunders, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Secaucus, N. J.
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Ordoñez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigblum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations. 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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John Scott, Brooklyn, N. Y.
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A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
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PANSY PLANTS.

Aug. Zirngelbel, S. Norwich, N. Y.
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BROWN'S PANSIES.

Extra select, superb giant, mixed pansy
plants, \$2.50 per 1000; \$20.00 per 10,000.
Cash with order. Peter Brown, 124 Ruby
St., Lancaster, Pa.

The KENILWORTH STRAIN of giant
pansies, strong plants, 1000, \$3.00; 100 pre-
paid, 50c. RAINBOW blend contain the
latest introductions of giant pansies, 1000,
\$2.50; 100 prepaid, 45c. Chas. Frost, Ken-
ilworth, N. J.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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S. G. Harris, Tarrytown, N. Y.
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Sunnyfield Nursery Co., Poughkeepsie, N. Y.
Peony list ready. Write for one today.
Standard varieties. Prices right. Gilbert
H. Wild, Sarcoxie, Mo.

PELOXES

Old Town Nurseries, So. Natick, Mass.
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Henry A. Dreer, 714 Chestnut St., Phila.
Hardy Perennials.
Sunnyfield Nursery Co., Poughkeepsie, N. Y.

PHOENIX

Julius Roehrs Co., Rutherford, N. J.
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**PHOTOGRAPHS: DESIGNING: IL-
LUS TRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 486 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St.,
Boston.

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Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-75
So. Erie St., Toledo, O.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenalis.
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Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

Primula, Chinese, 2½ in., 2c.; 3 in., 4c.
Obconica gigantea rosea, 2½ in., 2c. Extra
fine. Hammerschmidt & Clark, Medina, O.

PRIVET

Harrison's Nurseries, Berlin, Md.
Privet Hedge by the Mile.
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CALIFORNIA 12 to 18 in., 2 to 4 bran.,
\$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M;
24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30
in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in.,
\$12.50 M; 18 to 24 in., \$15 M, well branched;
18 to 24 in., heavy, \$16 M; 24 to 30 in.,
heavy, \$20 M. F. O. B. Bostic. Cash
with order. Valdesian Nurseries, Bostic
Dept., Bostic, North Carolina.

California Privet, well rooted and well
graded. Write for prices. John H. Lane,
Little Silver, N. J.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, Hoboken, N. J.
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ROSES

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Dingee & Conard Co., West Grove, Pa.
Novelties in Roses.
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Peckmann Bros. Co., Morton Grove, Ill.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Julius Roehrs Co., Rutherford, N. J.
Rambler Rose: Newport Fairy.

The Rose, by H. B. Ellwanger; mailed
for \$1.80 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Baby Rambler roses, strong, three-year-
old, field-grown, own root, have been cut
back and lifted and have become well estab-
lished in 5-in. pots, at \$12.00 per 100. Vir-
ginia Nursery Co., Purcellville, Va.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.
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A. J. Pieters, Seed Grower, Hollister, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Atlee Burpee & Co., Philadelphia.
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- Arthur T. Boddington, 342 W. 14th St., New York.
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- Richards Bros., 37 E. 19th St., New York.
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- R. & J. Farquhar & Co., 6-7 So. Market St., Boston.
Giant Cyclamen Seed.
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- H. F. Mitchell Co., 1018 Market St., Phila.
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- J. M. Thorburn & Co., 38 Barclay St., N. Y.
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- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
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- Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.
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- E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seedmen.
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- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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- O. V. Zangen, Hoboken, N. J.
Giant Cyclamen Seed.
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- H. E. Fiske Seed Co., Boston.
Cyclamen Seed.
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SILKALINE

- John C. Meyer & Co., Boston, Mass.
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SMILAX

- Smilax, 2 1/4-in., \$1.50 per 100. Cash with order. L. Menand, Albany, N. Y.

SNOWDROPS

- F. R. Pierson Co., Tarrytown, N. Y.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

- A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
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- H. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STEVIA

- Wood Bros., Fishkill, N. Y.
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SWEET PEAS

- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- The Advance Co., Richmond, Ind.
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- Quaker City Machine Co., Richmond, Ind.
20th Century Ventilating Arm.
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- VENTILATING MACHINERY.** New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

- Vinca rosea and alba, 2 1/4 in., extra fine, \$1.75 per 100. Hammerschmidt & Clark, Medina, O.

VIOLETS.

- Charles H. Green, Spencer, Mass.
Violets Field Grown.
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- William Sim, Cliftondale, Mass.
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WILD SMILAX

- E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
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WIREWORE

- Reed & Keller, 122 W. 25th St., N. Y.
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- Durand & Marohn, Albany, N. Y.
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

- Wirework—Compare our prices with others. Scranton Florist Supply Co., 301 N. 7th St., Scranton, Pa.

- 50 per cent less than manufacturing cost. Our specialty—100 assorted designs, \$10.00. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 94 Hawley St., Boston.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
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- Welch Bros., 226 Devonshire St., Boston.
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- William F. Kasting Co., 383-37 Elliott St., Buffalo, N. Y.
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- Chas. W. McKeller, 51 Wabash Ave., Chicago.
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- Peter Reinberg, 51 Wabash Ave., Chicago.
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- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.
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- Foehlmann Bros. Co., Morton Grove, Ill.
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- Hoerber Bros., Atlas Block, 51 Wabash Ave., Chicago.
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- The J. M. McCullough's Sons Co., Cincinnati, Ohio.
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- A. N. Pierson, Cromwell, Conn.
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- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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- H. E. Froment, 57 W. 28th St., New York.
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- Alex. J. Guttman, 34 W. 28th St., New York.
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- E. C. Horan, 55 W. 28th St., New York.
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- A. H. Langjahr, 55 W. 28th St., New York.
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- James McMannus, 42 W. 28th St., New York.
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- John I. Raynor, 49 W. 28th St., New York.
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- W. F. Sheridan, 39 W. 28th St., New York.
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- Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.
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- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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- Millang Bros., 41 W. 28th St., New York.
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- John Young, 51 W. 28th St., New York.
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- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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- Frank Millang, 55-57 W. 28th St., New York.
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- Phillip F. Kessler, 55 & 57 W. 26th St., New York.
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- A. L. Young & Co., 54 W. 28th St., N. Y.
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- J. K. Allen, 106 W. 28th St., New York.
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- Charles Millang, 55 and 57 West 26th St., New York.
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- B. S. Sinn, Jr., 55-57 W. 26th St., New York.
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Philadelphia

- W. E. McKissick & Bros., 1619-1621 Reed St., Philadelphia, Pa.
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- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.
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- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.
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New Offers in This Issue.**BOXWOOD SPRAYS.**

- Pittsburg Cut Flower Co., Ltd.,
Pittsburg, Pa.
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CHRYSANTHEMUMS, STOCK PLANTS.

- I. M. Rayner, Greenport, N. Y.
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FALL SALE OF BULBS.

- Berrydale Experiment Gardens,
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- Anton Schultheis, College Point, N. Y.
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- C. S. Ford, West Park, Philadelphia, Pa.
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In writing to Advertisers kindly mention Horticulture

NEW OFFERS—Continued**NEW CARNATION DOROTHY GORDON.**

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Raeder Co., Hyde Park, Mass.
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Flower Market Reports

(Continued from page 653)

PHILADELPHIA

The improved trading conditions continued the past week and the market has been very satisfactory. Compared with the same date a year ago, all the experts agree that present season is away ahead. There is a rising tide in chrysanthemum receipts—quality of the highest—with Appleton, Eaton and Yellow Eaton among the leaders. Prices so far have been good and better returns will accrue to the growers than for the past five years, unless the bottom drops out of the remainder of the season. There is no marked change in the rose situation. Carnations have been good for some time as to flower, but short as to stem. This defect is less apparent this week, and it will only be a short time when this staple will be showing its proper form. Orchids are much scarcer and prices have hardened considerably. There are now a few cypripediums coming in from local sources. Violets are not plentiful; but enough for the demand—as there seems to be no strong desire for these so far. Local sweet pea crops are just commencing, and there is also a limited supply of good mignonette and bouvardia.

TWIN CITIES

been good right along. Chrysanthemums are coming along fine, plenty and good. There was quite a demand for them on October 30, when Chicago and Minneapolis had their football game, which was attended by over 10,000 persons. Violets are scarce yet.

WASHINGTON

Carnations have responded to the beautiful weather, and the best ones shown now are equal to the regular grade of winter flowers. There has been a marked scarcity of roses during the past week, especially in the yellow varieties, only one retail store in town having any of the latter, and they not of the best quality.

Obituary.

George D. Henson.

By the death of George Dowell Henson, one of the oldest and most reliable salesmen in the employ of Joseph Breck & Sons, Corporation, New England loses not only an able and highly esteemed seedsman, but also a man whose life history is an example of what industry and integrity can accomplish.

Mr. Henson was born a slave on a southern plantation sixty-eight years ago; his early life was one of hardship. Twice before he was seventeen he ran away—the first time he was captured and taken back; the second, concealed in a load of hay he escaped into the ranks of the Union army, where he became the body-servant of General McClellan. After the war he came to Boston and worked as a



GEORGE D. HENSON

freight hand in the old Fitchburg station. When his hard day's work was over he went to evening school, where all his education was acquired. In 1878 he entered the employ of Joseph Breck & Sons, where he learned the seed business thoroughly and for the past thirty-one years labored faithfully for the best interests of the firm. He was an honored and beloved member of the African Methodist-Episcopal Church, in the various societies of which he was throughout his life an energetic worker.

His loss is felt by all who knew him; he was loved and trusted by his employers and by all his fellow-employees. His many customers, who would "do business" with no one but "George," will miss him. His reputation for kindness, honesty and absolute trustworthiness might well be envied by people of his own and of every other race.

Percy Jones.

Only those who have known him long and intimately realize the loss the Chicago florists have met with in the death of Percy Jones. Still in the prime of life, he passed away on Saturday, Oct. 23, after a brave strug-

gle for life. Mr. Jones' intimate friends have known for some time that something was undermining his constitution, and his air of abstraction noticed frequently in business and sometimes mistaken for a lack of sociability, was the working of the slow poison that was to result in his death. Percy Jones was born in Canada, forty-six years ago. His father and grandfather were English clergymen, and since his father's death, when he was but fourteen, he had made his own way in life. He early entered the employ of the Northwestern R. R. and rose to the responsible position of auditor, but the strain of business life proved too much for his health and he was obliged to seek another climate and spent some time in Florida and Alabama. Six years ago he started in the Flower Growers' Market, and one year later was elected manager, and during the five years he has held that office he has placed that business on a secure footing and had bright prospects for the coming season. He leaves a wife and three brothers.

There was a profusion of beautiful floral designs and the choicest blossoms of the greenhouses were there to an extent that makes enumeration impossible, but among them was a design by the Flower Growers' Market in the shape of a large floral vase bearing long-stemmed American Beauty roses. The pall bearers were Geo. Walther, John Sinner, Chas. Klehm, Mr. Ryan, A. Garland and H. Clifton.

Mrs. Lily Garland Jones is a sister of the Garland Bros. of Des Plaines and of Mrs. Fred Wittbold. The family have the sincere sympathy of the trade for the double bereavement. But one day previous to the death of Percy Jones at the University Hospital, Josephine Garland, only daughter of Geo. M. Garland of Des Plaines, Ill., passed away after an illness of over a year. She had a sweet disposition, and her parents and two brothers will keenly feel their loss. She was born in Chicago 23 years ago, but lived most of her life in Des Plaines. The funeral occurred Sunday, Oct. 24, and she was laid at rest in the family lot at Park Ridge, where the following day the same family were called to follow the remains of Percy Jones.

John H. Beach.

John H. Beach, who until his retirement from business fifteen years ago conducted an extensive florist business in Bridgeport, Conn., died on October 29, at the age of 85 years. His death resulted from a fall which he had two weeks previous. He is survived by his widow, one daughter, and two sons, one of the sons—James E. Beach—being engaged in the florist business in Bridgeport.

Pasadena, Cal.—The effect of the quarantine against plants shipped in from outside states was felt in Pasadena a few days ago when Horticultural Inspector Thorndike condemned a valuable shipment of tropical plants from Florida. The shipment, which was sent to a local nurseryman was consigned to the flames and Pasadena was saved from a possible infection of the dreaded white fly, or purple scale, so prevalent in Florida.

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NEW ORLEANS NOTES.

Trade is picking up considerably now in the stores. Nearly all the pleasure-seekers are home, and flower buying is quite brisk. Very few local chrysanthemums are ready to cut yet, and the retailers have to get much of their supply from northern points. The quality of these so far has only been very middling. The flower-buying public in this city will pay the highest price, but they demand the best quality, and all second quality flowers move slowly. Social gaities are not very active yet, but fall openings by several large department stores have used large quantities of palms and cut flowers. The Metairie Ridge Co. had two large openings last week that called for some of the largest and finest palms in the city. Arecas and kentias, 10 to 12 feet high, were used profusely as well as bay trees, cut flowers and golden rod grown in boxes. U. J. Virgin had a big opening which used up over five hundred palms. A central feature was a large Fleur de Lys design fully 6 feet high, made of carnations, chrysanthemums and tuberose. C. Eble's new store under the Grunewald Hotel is as fine as anything in town.

The growers are busy on the chrysanthemum crop at present. The amount of work these flowers call for here makes a fancy selling figure a necessity. Thrips, red spider, aphids and mealy bug have to be fought right up until the time the flower is out. The crop this year is about the average, and the supply will about meet the demand. The largest part of the crop is grown in the open ground, and as soon as the flowers show color they are covered with cotton or sash to protect them from the heavy dews. Very creditable flowers are produced in this way, although the finish is not equal to those grown in houses all summer.

On invitation from Mr. Papworth, the members of the New Orleans Horticultural Society visited the greenhouses of the Metairie Ridge Nursery Co. on the afternoon of Sunday, the 24th, for the purpose of inspecting the stock. The display of chrysanthemums was superb, roses, palms, ferns, begonias and orchids were in fine shape, and Mr. Papworth was congratulated on his success. Refreshments on a liberal scale were provided in a portion of the large shed screened from the vulgar gaze.

The market men are not doing a great deal these days. J. H. Menard, one of the old guard, attends market the whole season and is unique in that he never complains about poor business. He grows a miscellaneous stock and makes a specialty of Ficus repens, which he raises from layers by the thousand, and yet has difficulty in supplying the demand. This vine is used here with fine effect for the same purposes as Ampelopsis Veitchii is used for in the north.

Geraniums in the gardens have been largely killed out this summer and the market men are anticipating and preparing for a good demand for this flower in the spring.

B. M. Wichers of Gretna reports that he has just completed the shipping of orders he took at the recent convention in Cincinnati.

HELP WANTED

WANTED—Buyers and agents to sell our cement block and fence post machinery. Send for circulars and prices. Address W. L. Keller Cement Block Machine Co., Kearney, Neb.

WANTED—Two reliable greenhouse men, good potters and understanding the work of a plant growing establishment generally. Good pay to the right men. Wm. W. Edgar Co., Waverley, Mass.

WANTED—First class propagator of carnations and general stock. Pay, \$60 a month. C. J., care HORTICULTURE.

MISCELLANEOUS WANTS

NOTICE TO ENGINEERS AND LANDSCAPE GARDENERS.

San Antonio, Texas, Oct. 6, 1909.
The City of San Antonio invites competitive, suggestive plans for platting, designing and beautifying a new City Cemetery to be known as "Mission Cemetery." Topographical maps of the tract of land upon which said cemetery is to be established can be seen in the office of the City Engineer.

A cash prize or premium of Five Hundred (\$500.00) Dollars is offered for the best and most acceptable plan, a cash prize or premium of Three Hundred (\$300.00) Dollars for the second best plan, a cash prize or premium of Two Hundred (\$200.00) Dollars for the third best plan for so platting, designing and beautifying said cemetery, which prizes above mentioned will be awarded upon the recommendation of the Mayor and the Cemetery Committee of the City Council, who reserve the right to reject any or all plans submitted, and whose decision as to the award of said prizes or premiums shall be final.

All plans for which prizes have been awarded become the property of the City of San Antonio.

All plans must be securely sealed, addressed to the "Cemetery Committee of the City Council, San Antonio, Texas," and be submitted on or before 11 A. M., January 6th, 1910.

BRYAN CALLAGHAN, Mayor.
Attest: FRED FRIED, City Clerk.

WANTED TO BUY—Greenhouse property containing from ten to twenty thousand feet of glass and about ten to twenty acres of land, within 25 miles of Boston. 29A Locust St., Everett, Mass.

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

FOR SALE

GREENHOUSE PLANT, 12 miles out, 39,000 feet. 9 room 2 story house all imp., 225 feet greenhouses, hot water heat. Assessed \$6700. Price \$6000, \$2100 cash. W. W. Hodge, 8 Grand View Ave., Somerville.

GREENHOUSE PLANT, 25 acres, 30 miles out, good market, 1st class condition. \$3200, \$1700 down, bal. easy, lumber will bring over \$1700 right in town, low taxes. W. W. Hodge, 8 Grand View Ave., Somerville.

FOR SALE—Special 16x18 and 16x24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 90 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/4 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 1/2 room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

TO LET

TO LET—Part of large store with large basement. Situated in the center of the wholesale florists' trade. Good opportunity for florists' supplies, green goods, Ferns, etc., or any business connected with the florist trade. Address Manhattan Flower Market, Wholesale Florists, 46 West 28th St., New York City.

CHICAGO NOTES.

The Exhibition.

For eighteen years Chicago has had an annual flower show that has done her credit, and this year is one of the best. As a reward for those who send their treasures for exhibition there are between four and five thousand dollars to be distributed. Besides this the opportunity for advertising is greater than in perhaps any other city, as Chicago is so centrally located that it draws from all sides of the country.

A single idea prevails throughout the whole, making a harmonious, pleasing effect. A Japanese garden with winding walks through sodded lawns, pagodas, rustic bridges, towering palms, huge beds of decorative stock and specimen blooming plants made a scene delightful beyond description.

Surrounding the Japanese garden are the booths by the retailers, showing how flowers may be used to best advantage in decorating for weddings, receptions and other occasions. The home owner has new opportunities for learning how to adorn his grounds, for City Forester Prost lectures each evening, telling how to beautify the yards and vacant lots. Visitors are supplied free with pamphlets on this subject.

Among the roses the lovers of that flower are trying as usual to find something which will surpass the American Beauty.

The predominating flower, of course, is the chrysanthemum. Thousands upon thousands of blooms, in all classes large and small, delight the eye on every side.

Among the Growers.

The Wittbold Co., whose business comprises out-door planting and landscape work as well as indoor decorative, recommend the fall planting of shrubs as they become well established during the winter. They have recently gotten out for their customers' use a folder with fall and spring scenes and suggestions for planting. The firm of Geo. Wittbold Co. consists of Geo. Wittbold, the founder of the business fifty-two years ago, and who is still actively in it, and his four sons, Louis, the manager, Otto, who is in charge of the place at Edgebrook, and Fred and Henry, who divide the decorating work between them. Among their yearly contracts are the floral decorations for Marshall Field and Carson Pirie Scott.

The Disposition of Old Wire Frames.

For some time past the disposition of old wire designs, wreaths, etc., from the cemeteries in and about Chicago has been a vexed question and people have viewed the matter according to the way their personal interests lay. The Cemetery Association has assumed the ownership of all the designs placed on the graves and instructed the sexton to remove them after a certain number of days. No one seems to have objected so far, but it is right at this point the disagreement begins. The Board of Health has long claimed that these moss-filled designs, having often been used where death has occurred from contagious diseases, should be destroyed. The sextons have been in

the habit of selling them back to the city florists for a nominal sum, and in order to prevent this an ordinance has been drafted by the Assistant Corporation Council and was introduced at the last meeting, prohibiting the sale of these designs, wreaths, etc., within the city limits.

Wholesale Employees' Ball.

Success crowned the efforts of the managers of the fourth annual reception given by the Wholesale Florists' Employees' Club, Wednesday evening, October 27, at Columbia Hall, Chicago. The attendance was large and nearly 100 couples enjoyed the dancing till the wee sma' hours. The decorations were by the Geo. Wittbold Co.

Personal.

The wedding of Edgar B. Washburn of Hinsdale, Ill., and Miss Belle Story, of Riverside, Ill., took place on Oct. 20 in St. Paul's Episcopal church at Riverside. Samuelson had the decoration, which consisted of white chrysanthemums at the chancel and white roses at the altar. The rest, with the exception of the pews for the relatives, was done in wild smilax and palms. The bride's bouquet was lily of the valley. Mr. Washburn is the son of C. L. Washburn and grandson of O. P. Bassett, comprising the firm of Bassett & Washburn, wholesale florists. Mr. and Mrs. Washburn will reside in the O. P. Bassett home at Hinsdale.

The usual number of callers from out-of-town are going the rounds, glad to see their old friends in the market. Among the earlier visitors to the Flower Show was H. E. Philpott, who arrived from Winnipeg, Friday. Being an active member of the Chicago Florist Club, he is serving on a number of committees. He leaves next week to attend the meeting of the Canadian Horticultural Society of which he is first vice-president.

Mrs. H. F. Port, who closed her store on West Madison street last summer and rented her greenhouses at Maywood, has again embarked in the florist business at 3213 West Harrison street.

NEW BEDFORD NOTES.

Peter Murray, Fairhaven, has made extensive additions to his greenhouses and installed a fine new delivery wagon.

Peter Davis has leased S. S. Peckham's greenhouse plant in Fairhaven for three years. He has stocked the entire place with carnations, which are looking fine.

At the annual show of the Newport Horticultural Society, Dennis Shea, gardener for Mrs. Horatio Hathaway, was awarded first premium in the decorative class, for the best seedling dahlia. The flower is nearly pure white, about six inches in width and two in depth. It is as yet unnamed.

INCORPORATED.

West Newbury.—T. C. Thurlow's Sons, nursery, capital \$15,000.

Olympia, Wash.—The Yakima Independent Nursery, of Wapata, has filed articles of incorporation, with a capital of \$10,000. W. A. & Ethel Berg.

A NEW FUNGICIDE.

During the recent fruit exhibition at Boston George T. Powell, of Ghent, N. Y., delivered an address upon the methods to be followed in making and caring for an orchard, and spoke particularly of the difficulties that confront New England fruit growers in resisting the attacks of San Jose Scale and other fungi, as well as of insects. It was necessary, he said, to find a substitute for the Bordeaux Mixture. To quote him, as reported in the Boston Transcript:

"A very important essential in New England apple culture is that of spraying. The San Jose Scale is spreading over every section of the country. For five years I have used one of the Mische Oils, 'Scalecide,' with much success, for the control of all scale insects. A new fungicide, called 'Sulfofide' has been brought out the past season, that gives promise of very valuable results. Bordeaux Mixture has of late been very injurious to many kinds of apples, discoloring them, and we must look to something better as a fungicide."

This new fungicide called "Sulfofide" is made by E. G. Pratt Company of New York City, and was on exhibition at the show. A special diploma was awarded them.

CUCASA.

Cucasa is a soluble saccharate of copper and lime, coming into use in Europe in place of the rather cumbersome Bordeaux Mixture. Many influential institutions and experiment stations report favorably on its use.

Cucasa yields a solution of copper that has all the fungicidal properties of Bordeaux Mixture, but with the added advantages of affording a clear solution in any dilution and of keeping comparatively long. Being a clear solution, it does not clog the nozzle of sprays; furthermore, much less of it need be used than of the Bordeaux Mixture, for efficient protection. A solution of cucasa is uniformly alkaline; there can, therefore, be no copper sulphate present in it that would injure the foliage.

When sprayed on the trees, the thin layer of the solution is readily changed by the atmosphere, as in the case of Bordeaux Mixture, into the insoluble film of copper compound that has the specific power to kill fungi. The thinness of this film has the advantage of interfering all the less with the important functions of the foliage, and also of sticking very close—which was found in one case to be for three months after one spraying.

Cucasa consists of molecular proportions of copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$), slaked lime ($\text{Ca}[\text{OH}]_2$), and cane sugar, thus being distinguished from other copper and sugar solutions by the proportions in which the constituents are present in order to produce a clear, alkaline, fungicidal solution. Its inventor is Dr. C. Rumm of Stuttgart, Germany.—*Merck's Report.*

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
specially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

JUST NOTE PRICE!

... Manufactured by ...
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

A TRIUMPHANT INSECTICIDE.

There are insecticides and insecticides, and then again some more. The terrible ravages of insect pests in these latter days has furnished the incentive for the making and exploiting of numberless compounds for special or general purposes in the never-ending warfare upon insect pests. We know of none, however, which has more quickly demonstrated its efficacy than the recently introduced "Aphine" which, in the course of a comparatively few weeks, has become a talisman among horticulturists of unimpeachable veracity and unquestioned skill. The testimonials given in the advertisement of this preparation in this paper are well worth reading.

NEWS NOTES.

Mt. Airy, Pa.—The greenhouses of S. E. Graver were badly damaged by fire on Oct. 23.

Atlanta, Ga.—A severe hail storm on Oct. 14 wrecked many greenhouses in this vicinity, causing very heavy loss.

Newton, Kansas—Bankruptcy proceedings have been commenced by attorneys for Claude L. Shanks, florist. Assets, \$10,000; liabilities \$13,000.

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE
A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY
Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

Pulverized Manure Co.
31 Union Stock Yards CHICAGO

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

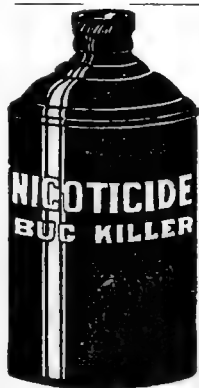
E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



Not genuine without it.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and All practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
291-295 Franklin St., Boston

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y.

KILMDEAD

The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs., \$1.00	100 lbs., \$ 3.00	1000 lbs., \$27.00
50 lbs., 1.75	500 lbs., 14.00	2000 lbs., 52.50

Swamp & Walter Co.
50 Barclay St., New York.

In ordering goods please add "I saw
It in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

CATALOGUES RECEIVED.

Wagner's Nursery, Pasadena, Cal.—Trade List of Nursery Stock and Succulents.

Morrisville Nurseries, S. C. Moon, proprietor, Morrisville, Pa.—Wholesale Price List of trees, shrubs and hardy herbaceous plants.

California Horticulture: The Fruit Growers' Guide, issued by the Fancher Creek Nurseries, Fresno, Cal. There have been many beautiful, artistic and useful catalogues sent out by dealers in ornamental garden and landscape material within the past few years, but in many respects this handsome publication places all the rest in the shade. This is particularly true of the text matter which is largely devoted to cultural and other useful information, making it almost a cyclopaedia of the subjects on which it treats. It is a very interesting and readable book. The cover is rich, bearing on the front olive branches in fruit and on the back a cluster of luscious grapes, both in natural colors and size. Peaches and figs form the subjects of two inserts, also in natural colors. Accompanying the book is the Advance Price Catalogue of the fruit tree department of this company. Geo. C.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 s in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " 5.25	120 7 " " 4.20
1500 3 1/2 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
390 5 " " 4.51	24 12 " " 4.80
310 5 1/2 " " 3.78	12 14 " " 4.80
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PUBLICATION RECEIVED.

The 34th annual report of the Board of Commissioners of the Boston Park System for last year has been issued. Attention is called to the need of more liberal appropriations for maintenance and development. The suppression of the gypsy and brown-tail moths is mentioned as having been a heavy drain on the resources of the department. Continued and growing satisfaction with the use of oil for the suppression of dust on the roads, is expressed. The detailed report of work performed during the year, by Superintendent J. A. Pettigrew, is illustrated with some fine views of park and playground scenery and is very interesting.

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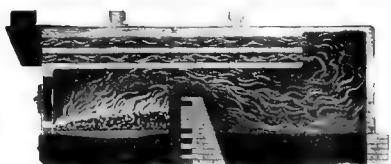
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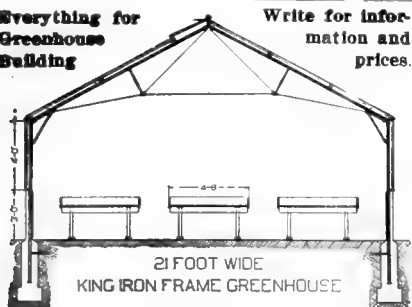
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HORTICULTURE

Vol. X NOVEMBER 13, 1909 No. 20



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Notes From the Arnold Arboretum

In addition to the deciduous new Chinese *Viburnums* enumerated in the last issue, the evergreen species new to cultivation may now be here briefly described.

The most striking is certainly *Viburnum rhytidophyllum*, a vigorous shrub with large handsome foliage and large flower clusters. The short-stalked leaves are lanceolate in outline, from three to seven inches long, nearly entire at the margin, dark green and lustrous on the much wrinkled upper surface and covered with a dense yellowish tomentum beneath. The flowers appear in flat clusters from three to six inches in diameter and are followed by dark crimson fruits.

Viburnum utile is also a handsome species; it is a slender-branched shrub with rather small foliage, resembling that of certain species of *Elaeagnus*. The short-stalked leaves are oblong or lance-oblong in outline, obtuse or nearly so, entire at the margin, from one to two inches long, dark green and lustrous on the upper surface and whitish tomentose beneath. The flowers appear in rather small, but numerous clusters, they measure about two inches in diameter and are followed by purplish black fruits.

Viburnum cylindricum (*V. coriaceum*) grows in its native habitat into a small tree and its large foliage resembles somewhat that of a green-leaved *Aucuba*. The leaves are generally oblong, pointed, from three to six inches long, entire or with a few large teeth, dark green and lustrous on the upper surface, paler beneath and quite glabrous. The pinkish white flowers are bell-shaped, not flat as in most other species, one-fifth of an inch long and disposed in dense clusters from three to four inches in diameter and are followed by rather small purplish black fruits.

Nearly related and similar to the well-known *Laurus-tinus* is *Viburnum propinquum*. The slender-stalked three-nerved leaves are oval to oblong in outline, pointed, entire or often with a few small teeth, from one and a half to three inches long, quite glabrous, dark green and lustrous above and paler beneath. The insignificant greenish white flowers appear in rather small clusters not exceeding three inches in diameter and are followed by handsome, glossy and bluish black small fruits. A closely related species, but much larger in every part is *Viburnum cinnamomifolium*; the leaves attain a length of five inches and the loose clusters measure up to seven inches in diameter. From this the allied *Viburnum Davidi* differs in the broader and shorter thicker leaves and the denser and smaller corymbs.

Of the genus *Cornus* which is very similar in habit and appearance to *Viburnum*, though belonging to an entirely different family, several new species have been recently introduced from China; but none of them is very striking. One of the most distinct is *Cornus paucinervis*, a small shrub with small glossy foliage retaining its dark green color until late in fall and white flowers in small umbel-like clusters followed by black fruits. The narrowly elliptic pointed leaves do not exceed three

inches in length and are dark green on the upper surface, lighter green beneath and glabrous.

Some words may be said here about two much confused species known since some time from Japan but rarely cultivated which have been recently again introduced from China. One of them is *Cornus macrophylla* (*C. brachypoda* or *C. corynostylis*), one of the handsomest *Cornus* in cultivation, if we except the Flowering Dogwoods, and growing into a small tree. The elliptic leaves measure up to seven inches in length and are dark green on the upper surface and whitish beneath. The flowers are borne in large broadly pyramidal clusters from four to six inches in diameter. This species has opposite leaves like almost all *Cornus*, while the other species which has been called hitherto erroneously *C. brachypoda* or *C. macrophylla* has alternate leaves like our native *C. alternifolia* and has been called in reference to the controversy which has arisen over its correct name *Cornus controversa*. It is a handsome small tree with slender-stalked broadly elliptic leaves attaining six inches in length, bright green on the upper surface and whitish beneath and with umbel-like clusters up to five inches in diameter followed by bluish black fruits.

Alfred Rehder.

European Horticulture

LAGERSTROMIA INDICA NANA GLOBOSA

The name given above is certainly a long one, but it tells persons who know, what are the properties of the plant; but in the trade, a shortening to *Lagerstromia nana* is sufficient. *L. indica* is rather tender in England and Ireland and may not be left out of doors in the winter season, excepting in the warmest localities. When this plant in spring is planted out in a sunny place, and the shoots and roots severely cut back it develops a brilliant floral display in the course of the summer. The variety *nana globosa* appeared among a number of seedlings of *L. indica* growing in the garden of Choba Tonbi in the Crimea. It is distinguished by a dwarf, globose habit, which features have remained constant, during the twenty years that have elapsed since the date of its appearance in the seed bed. The plant bloomed splendidly in 1908. The variety is worthy of a place in mixed beds of flowering subjects; and after the flowering season is over, the leaves which at the time assume an orange scarlet tint, have a striking effect for some weeks.

CHALK'S EARLY JEWEL TOMATO

In Holstein this variety is much thought of, it being equally fruitful under glass, as in the open ground. The summer of 1908 was the most unfavorable that could be imagined, and yet in favorable sheltered gardens Chalk's Jewel ripened satisfactorily. It is one of the earliest to ripen its fruits which are of globular shape. The plant is of vigorous growth; and should be grown with one stem only, fastened to a stout stake. If a wall or close fence can be allotted to the plants they need not be restricted to one stem.

Fredrick Moore

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Enlisting
on new lines

In undertaking to enlist the interest and favor of the retail florist trade for the Society of American Florists, President Valentine is making a laudable and val-

iant push for support in a direction in which the national society is known to be sadly lacking. Mr. Valentine's predecessors and their associates in office have made frequent effort to discover a means whereby the indifference of this large and growing wing of the floral fraternity might be overcome but the "open sesame" has thus far remained undiscovered or, if discovered, was not discreetly used. There is a ring of practicability about Mr. Valentine's attempt and he has gone about it in such a way as to warrant a reasonable hope of success. He can leave no better legacy to the S. A. F. when he steps down from the president's chair than a well-started boom among the retail trade. His address on this subject, delivered in Chicago last week, which we shall present in full in our next issue will be found worth reading and we bespeak for its suggestions the serious attention of those in that branch of florists' occupation to which it is particularly addressed.

A problem
in which all
are interested

In considering the oft-repeated complaints of exhibition managers and others that so many of the retail dealers—the "floral artists"—shun clubs and societies and ignore flower exhibi-

tions, we have often wondered why the flower growers have not stepped up and made vigorous effort to have remedied a state of affairs which is so detrimental to their own interests as producers. Every grower of flowers for the wholesale markets might well ask himself for what purpose his flowers are intended and whether these flowers are enjoying adequate opportunity to fulfil that purpose. An often heard lament on the part of the growers is that their products are not privileged to reach the people at retail prices sufficiently reasonable to make their use more general. Whether this be so or not, it is our conviction that the producers have in the question of *how* their goods are presented before the public a much more promising field for thoughtful attention. It is generally conceded that, in our flower shows, we have failed of much desirable public support through limiting the displays to the raw material and overlooking the feature of adaptation and combination. If the shows suffer from this condition must it not be true that the general demand for flowers must also be injuriously affected by neglect to take advantage of such opportunities to extend their popularity? Think it over.

Looking to
harmony as con-
ducive to prosperity

We find within the ranks of the great general horticultural industry many divergent interests which are not slow to "put on the gloves" and try conclusions

with one another whenever a discordant issue intrudes. While it is distinctly the province and duty of a periodical, such as HORTICULTURE aspires to be, to gather and disseminate all the interesting news of the profession for

which it stands, yet we like to pass over these sectional breaches and partisan controversies as lightly as possible and avoid by all means having anything to say which might intensify existing differences. We are always more than glad to give space and also such aid and encouragement as our pen is equal to, in behalf of any movement for a better mutual understanding or that takes up grievances with an honest purpose of conciliation and correction. This is our answer to those of our readers who have sometimes seemed inclined to question our reluctance to help out on some contemplated castigation. While recognizing that our circulation in one or another direction might possibly be augmented by "giving them what they want," we feel sure that, in the long run, HORTICULTURE will best hold the respect and affection of the profession in all its branches by striving to maintain the standard of its reading matter and to uphold the dignity of American horticulture and its literature as best it can.

Allamanda

The most popular varieties of this genus, without a doubt, are *A. Hendersonii*, *A. Schottii* and *A. Williamsii*. The name *Allamanda* was given to these beautiful plants in honor of a botanist of Leyden, Dr. Allamand. He is said to have sent seeds of them to the great Linnæus. *A. Hendersonii* and *Schottii* are classed as climbers, but an elegant bush plant can be grown of either. The two are so near alike that I have heard heated discussions about the difference. *Schottii* was introduced from Brazil in 1847, according to Nicholson. He does not mention *Hendersonii* at all, but Bailey says it came from Guiana, Henderson & Co., St. Johnswood, England, bringing it from there, and it was distributed by Bull about 1865, and some suppose it to be a variety of *A. cathartica*, which came from the same place in 1785. Planted out in a well-drained rich border in a slightly shaded greenhouse or conservatory, trained on an end or on the roof, the flowering shoots being allowed to hang down, their large yellow, funnel shaped flowers against their deep green leaves form a beautiful effect. As cut flowers I have seen them used in a dining room decoration to good advantage, and a nice centre piece can be made, with the flowers fixed up with their own leaves, or other greenery. Many like something low in the center of the table, that will not obstruct the view, and these are just the thing in their season. I should think any florist might grow this plant, probably on some of the ends of his houses, especially if the houses run north and south. On the north end it would not obstruct much light, and a few dollars might be made in the course of a season and no space would be taken up. I have heard store men say they would use *Allamanda* flowers quite often if they could get them.

The private gardener can get a good deal of satisfaction and use out of a well grown bush plant of either of the above varieties, if grown in the full sun in a good

airy house. They need no staking or tying and can, when the flowers begin to open, be set outdoors in a sunny position, where they will keep flowering for weeks, if well taken care of. Yellow is a color I find a great many people like, even though some of the carnation men I have talked to are a little skeptical as to the yellow carnation.

To grow a bush plant, select a young growth with a heel, three or four joints long, pot into a thumb pot, in a sandy soil, and place in a tight case. It will root quickly in the spring of the year in a temperature of seventy degrees. As soon as the small pot is filled with roots, shift into a larger pot. An increase of an inch at a time is enough. A few days after the plant has been potted, remove to a good airy house where the night temperature is sixty degrees, no shade being on the house, and when three or four whorls of leaves are formed, cut back to the lowest joint. Every cut back should be done soon after potting into a larger-sized pot, and each strong shoot will give three or four breaks; the weak ones should be allowed to grow a little longer to get more vigor into them. A good strong loam that can be equally worked around the roots with bone meal and Clay's fertilizer added, say a small handful of each to a good shovelfull of loam is about right. Other manure can be furnished in liquid form as the plant increases in vigor. Do not let the plant flower the first year. It will be in about a seven-inch pot about November and we find a good plan is to slightly rest it for two months by withholding water and lowering the temperature a little but not enough to drop the leaves, as I think they break better when pruned and started up again in January, if the leaves are retained as much as possible. A ten-inch pot is a good size to flower in, and in that size we pinch twice, which makes a shorter growth and makes a nice bush. I once saw an *Allamanda* treated in this manner, and for a final potting a twelve-inch pot was used, the plant being potted rather deeply, leaving quite a space for top-dressing. The plant remained in this pot for ten years, and made a nice bush plant each year. It was rested in the fall in the manner described above. Pruned back in early spring the young shoots receiving one pinch when they were well started, the plant was in excellent flower about the end of August each year.

Allamanda Williamsii is without a doubt the most floriferous yet introduced. It is said to be a garden hybrid raised by B. S. Williams & Son of England, and was certified in 1891, appearing in this country about 1893. Grown in the manner described above, it makes an excellent bush plant. As a climber it is not to be compared with the two varieties *A. Hendersonii* and *A. Schottii*, the leaves being much smaller and not such a nice shiny green. The flowers are not so large as the above mentioned, but I think of a better shade of color and more of them. However, I have seen it used as a climbing plant and doing well, covering the whole end of a greenhouse.

George F. Stewart.

West Medford, Mass.

THE EXHIBITIONS

THE CHICAGO SHOW.

While no official announcement has been made, it is generally known that the flower show was a financial success, even ahead of last year. In artistic beauty, also, it was considered superior to anything hitherto seen in Chicago; not the largest number of exhibitors, but the best as a whole. Taken all together the details of the show were more complete on the first day than is usually the case. On Monday, the day preceding the opening, it was apparent that the arrangement of the Coliseum as a whole was a great success and the spaces not needed by the exhibitors were gladly appropriated by the superintendents of the city parks, who are always ready to help out when the opportunity presents.

The Japanese garden arrangement of the hall was due to H. J. Stockman of the West Parks, who not only planned, but largely executed the work. The impression as one entered the building was fine in the extreme.



VIEW AT THE CHICAGO SHOW

All was artistically arranged and there was a distinct absence of anything "set" about it. Two large pagodas added greatly to the effect. Another feature was an immense Japanese balloon-shaped lantern shedding a soft light over the scene. This was hung from the centre of the ceiling, which had been covered with blue cloth with stars shining through it, making an artificial sky reaching down to the balconies, which were heavily draped with wild smilax.

Branching from the wide central entrance walk was another winding its way the entire length of the Coliseum, which, turning to the right, crossed a rustic bridge spanning a lagoon which was attractive with water lilies. At the north end of the building was a mountain scene on canvas, underneath which was the band stand, occupied by the orchestra. On either side of the orchestra were refreshment tables waited upon by young ladies in Japanese costumes—an innovation much appreciated by the people.

On the south side a colonial house made a fine background and on the

steps in front of this the cut flowers were staged, American Beauties only the first evening and other roses, chrysanthemums, carnations, etc., appearing successively. These steps, leading apparently from the mansion, ended five feet above the main floor and rested upon an immense platform reached by other steps at either end and from this platform people had a splendid view of the entire hall.

Three booths to the right and three to the left of the entrance filled the space under the balcony. On the opposite side of the room were eight booths all given over to the retail trade, with the exception of two for pottery and an exhibition of how to pot plants. Of the booths as a whole, much could be said. E. Wienhoeber Co., Vaughan's Seed Store, Schiller Estate, A. Lange, Geo. Wittbold Co., J. F. Kidwell & Bro. and Samuelson, all had displays which meant time and money, and it must have been very gratifying to them to see the crowds constantly viewing the various decor-

arrangement of home lots, and City Forester Prost lectured to an audience that never left a chair vacant.

First Prize Winners.

The prize award list is a very lengthy one and has already been published, in the main, by the local Chicago trade papers. Among the first prize winners in the various classes were the following:

Chrysanthemum plants—Vaughan's Seed Store, Robt. F. Mueller. Chrysanthemum blooms—Mt. Greenwood Cemetery, E. G. Hill Co., Poehlmann Bros. Decorative plant classes—J. B. Kidwell & Bro., George Wittbold Co., Peter Schilt, Schiller the Florist. Carnations—Poehlmann Bros., C. C. Polworth Co., Nic Zweifel, Bassett & Washburn, Chicago Carnation Co., Des Plaines Floral Co. Violets—H. N. Lown of Rhinebeck, N. Y. Lily of the valley—Poehlmann Bros. American Beauty roses—Bassett & Washburn, Bohannon Floral Co., Holton & Hunkel. Other roses—Weiland & Ollinger, Poehlmann Bros., Chas. Knopf Floral Co., Bassett & Washburn, Peter Reinberg. In 100 "any variety" Poehlmann Bros. won out with White Killarney.

Brief but Honorable Mention.

Alois Frey of Crown Point, Ind., had a splendid exhibition of single chrysanthemums.

There was no competition for the S. A. F. medals for plant or flower of American origin.

Manager George Asmus was tendered a special vote of thanks for kind attention and courtesies shown.

The booth where cut flowers were sold was well patronized and the sales reached four figures by the last day.

The group by the University of Chicago contained some fine specimen plants, only seen in rare collections.

F. Dorner & Sons Co., Lafayette, Ind., won a silver cup, also certificate of merit on best white seedling carnation.

E. G. Hill & Co. won certificate of merit and silver cup on seedling chrysanthemums, also sweepstakes on seedling Elsie Papworth.

A bed of scarlet geraniums in full bloom by A. S. Trude. The thatched roofs of two of the booths were a pleasing contrast to the green.

The booths in which postals, candy, etc., were sold were in round, Japanese style and added instead of detracting from the beauty of the whole.

The city parks, noticeably Lincoln and South Park, lived up to their reputation and staged exhibits that make the people justly proud of their parks.

Swain Nelson & Sons Co. were also well represented. In fact the nurserymen added largely to the attractiveness of the show and received in return six days of good advertising.

Ed. Hauswirth, though still unable to use his hand recently cut by a fall through a window, was at his usual place. The show would not seem quite complete without the Auditorium florist.

Leesley Bros' exhibit of berried shrubs showed to good advantage in the winter scene. Leesley Bros. devote much attention to winter landscape

effects and the people are glad to get their ideas.

Axel Settenberg of the Maywood Nursery Co. had an instructive exhibit of charts, etc., for laying out grounds. Among them the plan of the Sears Roebuck Co.'s grounds, of which we recently showed two views, was seen.

J. F. Kidwell & Bro. had one booth showing their idea of a mantel decoration and another giving a porch decoration. Both were well done and both showed how the home could be made beautiful, a subject which always takes well with the public.

Ernst Wienhoeber's booth showing a table decoration done of pink bouvardia was a study in simplicity of style and harmony of color. Day by day added one more blue slip and the last day the big card was nearly covered with six first prizes, one for each day.

About sixty accepted the invitation of Manager Pyfer and went to the Chicago Carnation Co.'s extensive plant at Joliet, Friday. They were royally treated and saw a place that has a wide reputation as one of the foremost carnation plants in the country.

A. Lange's wedding decoration, in-

NEW YORK'S GREAT FLOWER SHOW.

The Horticultural Society of New York is to be congratulated for having secured so acceptable a place as the beautiful building of the American Museum of Natural History in which to present a flower show. We speak of the enterprise as "great" because of the local difficulties and impediments that its projectors have had to overcome and because of the splendid quality of the exhibits, notably the orchids, stove plants and specimen chrysanthemum plants. Secretary Nash, who has worked tirelessly from start to finish, and F. R. Pierson, who has also been indefatigable, have good reason to feel proud and grateful to the gardeners and plantsmen who responded so generously to the call.

The foyer of the Museum building presented an attractive scene with its groups of brilliant and stately flowering and decorative plants, the effectiveness of which was much heightened by the dazzling whiteness of the walls and surroundings under the

great was the throng of admiring visitors that it became necessary to stretch ropes for the protection of the plants.

In the apartments and corridors radiating from the foyer were arranged the various sections—orchids, roses, chrysanthemum blooms, carnations, etc. The principal exhibitors in the chrysanthemum bloom section were Howard Gould, gardener Harry Turner, Samuel Thorne, gardener I. L. Powell, Percy Chubb, gardener Alex. MacKerzie, C. H. Hathaway, gardener Max Schneider, Paul Dana, gardener John I. Johnston and C. H. Totty on show varieties; R. Vincent, Jr., & Sons Co., Robert Mallory, gardener William Smith, Chas. Mallory, gardener W. J. Sealey, E. H. Weatherbee, gardener Francis Milne and Samuel Untermeyer, on pompons and singles.

All the popular roses were well shown by F. R. Pierson Co., L. A. Noe, Mrs. D. Willis James and S. Untermeyer. The Pierson exhibit was very extensive and captured most of the best prizes. There was a nice show of carnations from S. Untermeyer, F. R. Pierson Co., C. Weber, M. L. Schiff, and Cottage Gardens Co., the latter winning the silver medal for finest 100 blooms and diploma for best new variety with variety Mrs. C. W. Ward.

We doubt if a finer showing of orchids, plants and cut blooms, has ever been made in this country. The groups of 50 sq. ft. extent from Lager & Hurrell and Julius Roehrs Co. were gorgeous, Lager & Hurrell winning out. Lager & Hurrell were also first with three hybrid orchids (*Cattleyas Stolleryanus*, *Ballantineanum* and *Mautinii*), collection of cypripedium blooms, best oncidium plant in bloom, best vanda ditto, best dendrobium ditto (*D. formosum giganteum*). Julius Roehrs Co. won first on novelty not before exhibited here (*Cypripedium Rosetti* = *C. Maudiae* X *insigne Sanderiana*), five finest cypripediums, finest specimen cattleya, best two specimen orchids and silver medal for best plant exhibited in either class—a *Cattleya labiata*. Mrs. B. B. Tuttle, gardener M. J. Pope, was awarded first for hybrid orchid—*Cattleya Wavriniana*, and a bronze medal for collection of cut orchids. Jos. A. Manda was first on collection of cut orchids arranged for effect. This was beautifully done, a graceful fountain effect being produced with long racemes of oncidium inserted between the leaves of a big tillandsia. On specimen plant of *Cattleya labiata*, A. J. Manda was first with several competitors. E. O. Orpet showed a big lot of hybrid orchids of his own raising, for which he received a silver medal. Clement Moore was awarded a silver medal for cattleyas and Mrs. H. I. Pratt, who won first for collection of orchids covering a 25 ft. table, was given a cultural certificate for *Pandanus pacificus*.

A certificate of merit was given to George Giatras for *Nephrolepis Giatrasii*, and honorable mention to Wm. Tricker for *Alternanthera* "Jewel" and to F. A. Bolles for winter window boxes. *Nerine fothergillii* major and some mammoth onions were shown by A. T. Boddington. The only entry for the dinner table decoration prize was by A. T. Bunyard, the centre-piece being of cattleyas, cypripediums and *Adiantum Farleyense*. Why did not the retail trade take advantage of this splendid opportunity to gain a profitable publicity with forty thousand of



VIEW AT THE CHICAGO SHOW

cluding an altar and a bride and groom, kept the young people lined up most of the time. How many got up courage to ask the important question is not known; but Mr. Lange will no doubt have much to answer for. That he put the lady on the wrong side was only noticed by those who had been through the mill.

Schiller the Florist had a wall decoration in green and white that was unusual and very beautifully done. Two centres of white pompon chrysanthemums were gracefully arranged, probably two feet in diameter, from which radiated strands of *Asparagus Sprengeri*, describing circles eight feet in diameter. It was perfectly executed and extremely delicate—most appropriate for a wedding decoration.

The Winterson's Seed Store booth had some original ideas in the way of showing their bulbs. An oval bed with gently sloping sides had bulbs of various kinds placed on the fresh soil showing what kinds and how close to plant them, an object lesson many gladly learned. Vases of water with hyacinths, Chinese sacred lilies, etc., growing in them also showed how to handle them in the house.

electric lights. There were great groups of bays, boxwoods and conifers in tubs from Bobbink & Atkins, gigantic palms and davallias from Mrs. J. Hood Wright, gardener C. A. Webber, specimen palms, stove plants, marantas and cycas from Mrs. Harold Irving Pratt, gardener A. J. Manda, wonderfully developed adiantums from Mrs. J. B. Trevor, gardener Howard Nichols, *nephrolepis* in varied forms from F. R. Pierson Co., gorgeous groups of marantas, crotons (including a fine group of the new *Croton* F. Sander, which received a certificate), Lorraine begonias and decorative plants and bay trees from Julius Roehrs Co., collection of stove and greenhouse plants and dracaenas of rare beauty from Samuel Untermeyer, gardener W. H. Waite, and a resplendent mass of *Celosia Thompsonii* *magnifica*, for which Lehnig & Winnitfield received a bronze medal. The cultural skill of Mr. Waite was displayed again in specimen trained plants of Garza, Annie Laurie and other popular varieties, of a size and finish rarely equalled anywhere, and there were trained specimens of high grade also from Miss A. B. Jennings, gardener Oscar Carlson. So

the best purchasing class in New York society? Strange, is it not?

The judges were C. H. Totty, Madison, N. J., Thos. W. Head, Groton, Conn., E. O. Orpet, Lancaster, Mass., A. J. Loveless, Lenox, Mass., and I. L. Powell, Millbrook, N. Y.

TARRYTOWN HORTICULTURAL SOCIETY FLOWER SHOW.

The eleventh annual chrysanthemum exhibition of the Tarrytown Horticultural Society had to be held in White Plains this year as the public-spirited owner of the Tarrytown hall seemed to think that a cheap moving-picture show was more essential to the welfare of the community than a good flower show and refused the use of the hall. However, the society did not fare so badly in White Plains, the attendance being above the Tarrytown average and, although it was more inconvenient for quite a number of the growers, they all turned out well and put up a first-class show. Plants were somewhat lacking but this was more than made up for by the quantity and quality of the cut blooms, which every one conceded were the finest ever shown. We have seen quite a few shows this year but this one easily heads the list for general high quality of cut blooms. The hall was tastefully arranged, and the energetic manager, James W. Smith, deserves great credit both from the members of the society and the exhibitors for the way the show was managed. Everything was placed and arranged so conveniently and the work of the exhibitors so facilitated that there seemed no need of hurry, all finding ample time to get the exhibits carefully set up and ready when the time came to clear the hall for the judges.

In the class for 36 blooms chrysanthemums—6 varieties of each—Wm. Rockefeller, gardener Geo. Middleton, was 1st and Frederick Potter, gardener Wm. Roberts, 2nd, the varieties shown being Glenview, Cheltoni, Mrs. J. E. Dunn, Mrs. Partridge, M. V. Venusta, and Merza in the 1st prize lot, and in the second Lady Hopetoun, M. Hanky, Glenview, O. H. Broomhead, Nellie Pockett and Beatrice May. The blooms all through were of phenomenal size, well colored and beautifully finished.

For 24 blooms Wm. Rockefeller was again first showing magnificent specimens of the following varieties: Mrs. Millar, Nellie Pockett, Gen. Hutton, M. Hankey, Mrs. J. C. Neil, Glenview, M. V. Venusta, Mrs. J. E. Dunn, Mrs. Wm. Duckham, Australia, C. H. Totty, Beatrice May, Ben Wells, Cheltoni, Brighthurst, F. S. Vallis, Lady Hopetoun, Mrs. Partridge, Mary Mason, and W. M. Moir. Henry Siegel, gardener T. Atkinson, was 2nd, the principal blooms in this lot being Mrs. Thirkell, Rose Pockett, G. W. Pook and F. S. Vallis. In the class for 12 blooms, distinct, the same exhibitors won out in the same order.

For 12 varieties introductions of 1909 Mr. Siegel was 1st and Mr. Rockefeller 2nd, the varieties shown being Leslie Morrison, Yellow Miller, Pockett's Surprise, Rose Pockett, Frank Payne, C. H. Totty, Lillian Coppard, Mrs. Totty, Mrs. O. H. Khan, Pockett's Crimson and Clara Wells. From the way



ROCHESTER FLOWER SHOW
The Cascade.

these varieties showed up when compared with the older varieties it is safe to say that they have come to stay and will be welcome additions to the exhibition tables.

The class calling for 18 blooms, 6 varieties, 3 of each brought a large entry; Fred Potter, E. Berolzheimer, gardener Wm. Jamieson, and Mrs. F. A. Constable, gardener James Stuart, won out in the order named. Besides several of the varieties already enumerated there were shown in this class some fine blooms of Merza, May Sedon, Montigue and Pres. Viger.

Other successful exhibitors in the cut bloom classes were E. H. Weatherbee, gardener F. Milne; W. A. Reed, gardener Andrew McKendry; and Miss Sands, gardener Thomas Lee.

The bush plants were few but what were shown were of high quality, E. Berolzheimer and Mrs. F. A. Constable being the principal winners. Mrs. F. A. Constable was first for a group of plants arranged for effect showing clean well-grown stuff, very tastefully arranged by her gardener, James Stuart. The same exhibitor was first for a very pretty table of orchids.

The first prize table of decorative plants shown by Joseph Eastman, gardener Robert Angus, was tastefully arranged with well-colored plants of crotons, dracaenas, aralias, etc. Both for foliage plants and ferns suitable for table decoration, Mrs. Constable was first; E. H. Weatherbee, second; and Joseph Eastman, third.

The dinner table decoration in competition for a beautiful silver cup brought out three entries, Wm. Jamieson winning first; Henry J. Allan, gardener for Fred Vanderbilt, second; and Allan J. Jenkins, Lenox, Mass., third. Orchids were the principal flowers employed and the decoration of all three was beautifully done, and it took the judges quite some time to decide, the competition being so close.

The classes for roses and carnations were all well filled and the competition keen. In the former the principal prize takers were Fred Potter. The Os-

burn Estate, gardener James Bell, Mr. Mallory, gardener W. J. Seely, Fred Vanderbilt and I. N. Seligman, gardener John Brunger. In the latter, Fred Potter, J. J. Riker, gardener Wm. Hughes, and W. A. Reed were the principal winners.

The F. R. Pierson Co., Tarrytown, exhibited a very pretty table consisting mainly of *Nephrolepis elegantissima compacta*, *N. superbissima*, *N. Amerpohli* and several vases of White Killarney and Killarney roses, for which they were awarded a certificate of merit. Scott Bros. of Elmsford Nurseries, were also awarded a certificate of merit for a table of chrysanthemum blooms, showing a number of single varieties, most of this year's introductions in the large-flowered varieties and a number of novelties to be sent out by them in 1910. These latter included such varieties as Gladys Blackburn, R. F. Felton, Hetty Wells, W. Mease, Keith Luxford, and Mrs. H. Stevens. W. S.

ROCHESTER FLOWER SHOW.

(See Last Week's Issue.)

The show at Rochester, N. Y., was a magnificent popular success and it was well worthy of it. There were over 8000 admissions in a single day. As C. H. Vick expressed it, it was "a unique idea in the holding of a commercial show, that the individual interests represented should sacrifice their personal plans for exhibitions to carry out a unified plan."

"Several of the exhibitors had their exhibits rearranged to make possible the ground plan or arrangement devised by Alling S. DeForest, but no murmur of disapproval was heard."

The officers of the Flower City Florists' Association are: President, F. W. Vick; vice-president, E. P. Wilson; secretary, H. B. Stringer; treasurer, W. L. Keller.

The general plan for the decorations and landscape effects was prepared by Mr. Alling S. DeForest, landscape architect, and it reflects great credit on his skill and artistic ability.

PHILADELPHIA SHOW.

The annual chrysanthemum show of the Pennsylvania Horticultural Society was held at Horticultural Hall, Nov. 9-12. This show compares favorably with many of the preceding shows, both in variety and quality.

The competition for prizes was all by private gardeners and the results speak well for their ability as growers and in many instances their excellent taste in decorating. The prizes for chrysanthemum cut blooms resulted in one of the finest displays exhibited in Philadelphia. The tables of blooms afforded opportunity for close inspection and the classes in which arrangement for effect and the use of decorative leaves and material were admissible resulted in a splendid decoration of the grand stairway.

As usual the display of orchids, ferns, palms and foliage plants, for which the shows at this season have long been famous, brought out many finely grown specimens, and new and rare plants. The groups of foliage and flowering plants arranged for effect, resulted in bold and effective decorations which added materially to the general effect. Crotons with the maximum of coloring in large shapely specimens were effectively arranged.

The lower hall contained for the most part the vegetable exhibits. The seedsmen whose liberal prize offerings bring out good collections and individual classes of vegetables had many competitors. We have heard much this past summer of the dearth of good vegetables, owing to the absence of rain; but such was not evident on this occasion. The products of the garden were exceptionally good in many cases, and the hot-house vegetables looked tempting. Another and important part of the show was the exhibit of the growers and seedsmen whose enterprise and liberal displays make the show more complete, interesting and instructive.

To comment upon everything worthy of mention would take too much space, but the following will serve as examples of the general excellence. The large bush plants without which no show is complete were fairly well done and the most prominent varieties were Dr. Enguehard, G. W. Childs, Golden Age, Mrs. Joseph Sinnott, Mrs. Frank Thompson. The winners, which were about evenly divided, were Mrs. Joseph H. Sinnott, gardener David Ingram and Mrs. F. C. Penfield, gardener John McCleary. In the classes for single stem 6-inch pots many good exhibits were made. Mr. P. A. B. Widener, gardener William Kleinhertz, carried off several firsts, having such varieties as Glenview, Lynnewood Hall, Mrs. Wm. Duckham with fine finish. Other winners in these classes were Mrs. Charles Wheeler, gardener Wm. Fowler; Mr. C. B. Newbold, gardener Samuel Batchelor, with fine Cheltonii, Nellie Pockett and Dr. Enguehard; Mrs. Penfield with Merza. A bright feature of the pot plants were the single flowering varieties, C. B. Newbold and P. A. B. Widener winning with excellent plants, such varieties as Anna White, Eva Reiman, Albert Williams and some seedlings being especially desirable.

In cut blooms C. B. Newbold won in the 50 blooms in 10 varieties against five competitors and some fine blooms were shown. His varieties were Miss

Norman Davis, Colonel W. Appleton, O. H. Broomhead, Clara Wells, Glenview, Miriam Hankey, Cheltonii, Nellie Pockett, W. Duckham and Mrs. W. Duckham. P. A. B. Widener was second. In the class for 6 vases, 6 varieties, 5 blooms each, J. W. Pepper, gardener Wm. Robertson, was first with Merza, Mary Mason, Cheltonii, Beatrice May, Glenview and Mrs. W. Duckham. C. B. Newbold was second with a fine lot. In the class for 4 vases, 5 blooms each, P. A. B. Widener was first and C. B. Newbold second. For the vase of 10 blooms, white, J. W. Pepper first with Nellie Pockett. Mr. Widener second with Lynnewood Hall.

Other winners in the cut bloom classes were: Mrs. R. B. Ellison, gardener Alex. Lendroth; Mrs. W. M. Potts, gardener W. G. Henderson; and Mr. W. W. Frazier, gard. Hugh Scott.

For hardy pompon chrysanthemums the silver cup given by "Meehan & Sons" was won by J. W. Pepper.

In the class for 25 blooms arranged for effect with foliage, C. B. Newbold's and J. W. Pepper's displays were tastefully arranged and made an admirable feature to the grand staircase. It was won in the order named against five competitors.

John Wanamaker, gardener John Dodds, was first with a fine table of orchids, tastefully arranged with ferns intermingled. For the best six foliage plants, John Wanamaker was first with Anthurium Veitchii, Croton "Queen Victoria," Dracaena "Bronze Beauty," and Kentia Belmoreana aurea as among the best. P. A. B. Widener was second with smaller but very choice varieties of Phyllotaenium, Cyclanthus cyparidus, Spheerogone and Acanthus montanus. G. W. Childs Drexel, gardener Thomas Long, was first on ferns with Gleichenia flabellata, Davallia Fijensis plumosa, Adiantum Williamsii, Nephrolepis Scholzei. Mr. Long has a national reputation for fern growing, always keeping abreast of the times in the newer introductions and being among the first to show finished examples. A silver medal was also

awarded Mr. Long for Nephrolepis exaltata superba. It seems, however, more like a crested fern of N. fine and tripinnatifida.

Among foliage plants, Mrs. Penfield and J. W. Childs Drexel were winners in other classes and each showed fine examples. Mr. John Wanamaker was first with Gloire de Lorraine begonia, Lonsdale variety, with Mrs. Ellison second with the pink variety. He was also first for Nephrolepis Schoelzei with a magnificent pan. For the group of foliage plants arranged for effect, Mrs. Penfield won. Mr. J. W. Pepper was first with crotons, among the best varieties being Dayspring, Hookerii, Queen Victoria, Edwin Lonsdale, Veitchii and Robert Craig, large plants in from 10 to 14-inch pots. Edward A. Schmidt, gardener John Hobson, was second. He has fine plants and is a well-known plantsman; the color, however, was lacking owing undoubtedly to the shade of his greenhouse by overlapping trees.

Among the trade exhibits were noted from Julius Roehrs Co.—a table of choice orchids with a fine plant of Brasso-cattleya Digbyana labiata; a new croton named F. Sander was also shown. Lager & Hurrell—some 50 plants of choice orchids which seemed to be an attractive spot. Robert Craig Co.—fine plants of Gloire de Lorraine begonia, cyclamen and Nephrolepis Schoelzei. Henry A. Dreer, Inc.—a large exhibit of Nephrolepis Schoelzei, a collection of palms and choice greenhouse plants, collection of hardy chrysanthemums and sundries, bulbs and other specialties. Henry F. Michell Co.—a tasteful arrangement of bulbs, grass seed and sundries, hardy chrysanthemums, etc. Hosea Waterer—choice bulbs, Scilla maritima and metallic hose. Overbrook Gardens—potted plants of single and hardy chrysanthemum. Thos. Meehan & Sons—hardy chrysanthemums and cacti. R. Vincent, Jr., & Sons Co.—hardy chrysanthemums. John Towill—vase of 50 "My Maryland" rose.

FRANCIS O. CANNING.



ROCHESTER FLOWER SHOW
Partial View.

CONNECTICUT HORTICULTURAL SOCIETY.

Our annual exhibition of chrysanthemums and other seasonable products, was held last week at Putnam Phalanx Hall, Hartford, and we have yet to hear of any person that does not declare it to have been the most successful and interesting exhibition ever given by the society. Preparations were begun for it almost a year ago by interested gardeners and florists. Though some expected wall and ceiling decoration was not forthcoming, the generous supply of potted palms, ferns, and similar decorative plants, by Messrs. John Coombs, James J. Goodwin, Walter L. Goodwin, and others, arranged by the deft hands of President John F. Huss, and his assistant, Francis Roulier, and by J. A. Weber and others, left little to be desired in the way of beautiful and artistic embellishment of the hall.

Great interest centered in the trained bush and standard chrysanthemums, in various colors, some containing as high as 200 splendid blooms. Nothing more beautiful was ever seen in the state; the highest degree of horticultural skill being manifested in their production. Anemone and single stem varieties also delighted the attendants. From the greenhouses of Miss H. F. Whiting, West Hartford gardener Carl Peterson, a small but perfect collection of roses was exhibited. Neil Nelson, gardener of the Hartford Retreat, showed some fine chrysanthemum blooms, as well as a group of cyclamens and primroses in pots. Mr. Huss, besides showing chrysanthemums of nearly every description, also staged cecinos and begonias. W. A. Weber's plant of pompon chrysanthemums, bearing nine grafts, of as many different colors, was greatly admired, the children present being greatly interested in this demonstration of the art of graftage. Miss Whiting was the only exhibitor of violets. A. H. Wingett, of Lenox, Mass., one of the judges, contributed, not for competition, a new and handsome carnation, "Lady Algy," a salmon pink sport of Beacon. Mr. Huss also showed a collection of orchids, and A. Righenzi won first honors for a pillow made of chrysanthemums, bearing in the foreground the society's initials. Mr. Coombs received the first award for the best floral piece of chrysanthemums, a beautiful bridal design in basket form. Others exhibiting chrysanthemums were: Mrs. William C. Lanman, of Norwich, gardener Charles Thos. Beasley; T. B. Brown, of Windsor; H. L. Metcalfe, Cuno A. Helfricht, James J. Wall; W. A. Kinne and Oscar F. Gritzmacher, of New Britain; and Miss Theodate Pope, of Farmington, gardener W. S. Mason. George A. Parker, superintendent of parks, sent 25 varieties of fine chrysanthemum blooms.

A finer display of vegetables has probably never been shown in Hartford. The special award of \$25, in this department, by Arthur T. Boddington, of New York, elicited three excellent collections, which, with that of James J. Goodwin (by Joseph Guzzo, vegetable gardener) who took the society's prize for the best collection, filled tables running along one whole side of the hall. The Boddington prize was given as follows: First, Charles

"The Triumphant Insecticide"

(See page 661 last week's "Horticulture.")

"So many 'killeis' have from time to time been heard from that we confess to having developed a strong disposition to be shown just what they will kill. A representative of the American Florist had recently an opportunity of witnessing a number of interesting tests with 'Aphine' at Chas. H. Totty's greenhouses, Madison, N. J. The tests were made by George E. Talmadge in the presence of Mr. Totty, William E. Tricker, his foreman, and the writer. Orchids affected with scale, grape vines in which mealy bug had obtained a hold, and black and green aphids on chrysanthemums and roses were all treated. The solution was applied with a small sprayer. We can say for this preparation that 'it does the work,' and it is so far from doing any damage to the plants that the foliage soon takes on a better color after it has been applied. The results of these tests show that there is an insecticide on the market that is effective and that is easily and quickly applied, at a comparatively small cost.

"The day after these tests were made, Mr. Totty, whose reputation for fair dealing is unquestioned, said:

"I have nothing but praise for the new insecticide, 'Aphine,' that we tested yesterday. The scale on the calanthes and cattleyas were all dead when examined through a glass this morning, and the plants are not injured in the least. The mealy bug was likewise wiped out where the mixture touched it. If Mr. Talmadge will maintain a uniform quality in his product, he will have an enormous sale, for it is unquestionably right every way." *American Florist, Sept. 18, 1909.*

Manufactured by

GEORGE E. TALMADGE, Inc., Madison, N. J.

Send for Descriptive Circular.

M. Beach, West Hartford, gardener R. Cawte; second, R. & H. Scoville, of Chapinville, gardener Walter Angus; third, Walter L. Goodwin, gardener J. A. Weber. Mr. Cawte showed, including garden herbs, over fifty varieties of vegetables. Mr. Angus, who had just exhibited at New Haven, had the misfortune there to lose his coat by theft, and had to return home prematurely.

In fruits, George W. Smith, of Melrose, was the only exhibitor, showing nine varieties of native grapes, nine of apples, six of pears, and one of quince, and necessarily received the first prize.

Mr. Huss entered in 25 classes, and received either first or second prize in every class. Mr. Weber entered in 13 classes, and received 11 awards. Other prize-takers in the chrysanthemum or concomitant floricultural classes were: Mr. Beasley, Mr. Righenzi, Mr. Kinne (ten firsts, and two seconds), Mr. Gritzmacher, Mr. Peterson, Mr. Brown, Mr. Helfricht, Mr. Mason, Mr. Nelson and Mr. Coombs.

The following gratuities were also awarded: Cultural certificates to J. A. Weber for specimen single chrysanthemum plant, for a specimen plant of anemone chrysanthemum, and for a grafted specimen of pompon chrysanthemum; and to Thomas J. Dryden for Lorraine begonia; diploma to J. F. Huss for collection of single and anemone chrysanthemums in pots, with special mention of the following varieties: Gertrude Osmunds, Bishop Hemmingham, Mr. J. A. Peterson, Mrs. Edward F. Swift, Mrs. Bassett. Honorable mention to Mr. Huss for collection of orchids; certificate of merit to Mr. Coombs for collection of palms

and ferns; cultural certificate to Mr. Peterson for collection of roses.

1500 school children were given free admission, and some of them gave annoyance by unruly conduct. The judges were F. Heeremans and A. H. Wingett, of Lenox, who also kindly served in this capacity at our recent dahlia show. Our attendance was large, and the event doubtless a financial success.

GEORGE W. SMITH, Sec.

Melrose, Conn., Nov. 8, 1909.

WASHINGTON FLOWER SHOW.

The annual flower show given by the Florists' Club of Washington opened on the 8th Nov. at the old Masonic Temple. While the preceding shows have all been up to the standard, there is no question as to this exhibit being the handsomest ever attempted by the club and the immense crowd of Monday evening attested to the growing popularity of the exhibits. The idea first impressed upon one's mind on entering the hall, was that of white marble and flowers. The centre of the room was given up to a central Court of Honor which was decorated by Geo. Shafer with different colored chrysanthemums (single stems), wild smilax and hundreds of vari-colored electric lights. The four corners of the room were accentuated by four large vases mounted on pillars (imitating marble) and containing immense single-stem chrysanthemums, while at the base were grouped hardy ferns and vases of blooms. Two were filled by Gude Bros. and the other two by Geo. Cooke. The U. S. Botanic Garden had one of the finest and most unique displays they have ever made,

Chrysanthemum Novelties

BEST IN THE WORLD AS USUAL

The splendid showing of my last year's varieties at all the Eastern shows, proves how the standard is maintained. As the **American Agent of W. Wells & Co. of Merstham, England**, I have arranged for **simultaneous distribution of their novelty list of 1910** so that the American cultivator for the first time in history can obtain the Wells Pockett novelties at the same time as the British grower. That list will include **Mrs. David Syme**, the gold medal winner and other splendid kinds not yet named. The 1909 list comprises some grand varieties for the exhibition grower. **R. F. Felton** the deepest shade of yellow, **Well's Late Pink** a grand thing in the style of Brighthurst, **Mrs. H. Stevens**, **Gladys Blackburn**, **W. Mease**, **W. Hotston**, and other splendid varieties.

In **American Raised Seedlings** I will offer **Mrs. A. R. Peacock**, **Mrs. W. Arnold**, whites. **Mrs. W. Wincott**, pink, all certificated by the C. S. A. and a **yellow sport of the well-known Ivory**.

If Your Name is not on My Mailing List, Write Me.

CHARLES H. TOTTY, Madison, N. J.

consisting of all the rarest plants in Supt. Smith's very rare collection. The large triangle at the front was decorated by Fred Kramer in chrysanthemums, ferns and Queen Beatrice roses, while the corresponding one at the other end was fragrant with Gude's American Beauties. Chas. Totty of Madison, N. J., had a very comprehensive display of pompons embracing nearly every variety and Henry A. Dreer of Riverton, N. J., had his usual generous exhibit of prize ferns and fine chrysanthemums. Mrs. L. Z. Leiter's usual public spiritedness was manifest by her fine collection (said to be the finest in Washington) of begonias and ferns. The Washington Florist Co. had an exhibit for the first time and their display of the "Mrs. Taft" rose drew a good crowd around it. The rose is a very delicate shell pink with a darker centre and is an exquisite addition to the rose world. W. W. Kimmel of Massachusetts avenue, had his usual handsome display of fine chrysanthemums and unique baskets. A good crowd around Edw. S. Schmid's table, attested to the popularity of that gentleman's fine display of bulbs, gold fish, aquatic plants, etc.

W. Marche, Mayberry & Hoover, Geo. Cooke and Geo. Shaffer all had table and mantel decorations, but up to a late hour Monday evening the decorators had not finished so a description cannot be furnished here. The show will continue during the entire week and it is to wind up with a sacred concert on Sunday.

Especial thanks are due to Pres. Kramer and Chairman Cooke for their untiring efforts that have made of this exhibition such a success.

THE BOSTON EXHIBITION.

In our issue of last week we gave a fairly comprehensive description of the very fine exhibition of the Massachusetts Horticultural Society which was in progress at the time. We now append the list of awards with a few other comments.

The vases of ten each long-stemmed flowers of one variety, competing as to color, presented some wonderfully fine flowers. In red, Mrs. H. Patridge and Leslie Morrison, both from the Plant Estate, took precedence over everything in their color, although T. Carrington from Mrs. Fred Ayer was also much admired. In white, Merza by Peter B. Robb, vanquished Nellie Pockett and Beatrice May. Mrs. Wm. Duckham in yellow and Brighthurst in pink, both from the Plant Estate, were invincible. The six best varieties of 1909, as seen in the winning set from the same exhibitor, were Leslie Morrison, Rose Pockett, Frank L. Payne, Chas. Reckett, Mrs. L. Thorne and O. H. Kahn. The vases of singles from Miss E. J. Clark of Pomfret Centre, Conn., were very fine. R. Vincent, Jr. & Sons Co. staged no less than 100 varieties of pompons, right up-to-date with the finest new sorts, and promise even a bigger display for next year. W. H. Elliott's commercial chrysanthemum plants were beautiful. Many of the brightest of the single varieties were included. A table of 160 varieties of apples, one specimen of each, selected from the exhibits of the New England Fruit Show, the previous week, was a centre of attraction. An exhibit of American Beauty roses and lily of the valley of very high quality, grown by Carl Jurgens and

staged by Welch Bros., was continuously besieged by an admiring group of visitors.

Following is a summary of the awards.

Group of foliage and flowering plants covering three hundred square feet: 1st, Edward MacMulkin; 2d, Mrs. J. L. Gardner. Table of orchids, both plants and flowers, accurately named: 1st, Wheeler & Co.; 2d, Edw. MacMulkin. Chrysanthemums (two specimen plants, any color or class): 1st, W. A. Riggs; 2d, Morton F. Plant; 3d, Dr. C. G. Weld. Twenty-five plants, commercial specimens: 1st, W. H. Elliott; 2d, J. S. Bailey. Twelve plants, single flowering sorts: W. H. Elliott. Six plants, one bloom to each: 1st, Mrs. Lester Leland; 2d, ditto; 3d, Mrs. A. W. Blake. Best chrysanthemum plant on exhibition: W. A. Riggs, a silver medal. Two Xentias: 1st, Edw. MacMulkin; 2d, Wm. Whitman; 3d, Edw. MacMulkin. Two arecas, Wm. Whitman.

In the cut flower chrysanthemum classes the winners of first and second prizes were Thos. Howden, Morton F. Plant, Mrs. Lester Leland, Mrs. J. M. Sears, P. B. Robb, W. A. Riggs, Wm. Swan, Winthrop Ames, Eben D. Jordan, E. K. Butler, W. W. Edgar Co., J. S. Bailey, Mrs. Frederick Ayer. The Gane Memorial prizes were won by James Nicol and Thomas Howden, 1st and 2nd respectively, with splendid vases of Mrs. Jerome Jones and Yellow Mrs. Jerome Jones. The table decorations won in the following order: Ed. MacMulkin, 1st; Mrs. E. M. Gill, 2nd; W. J. Creed, 3rd.

The National Chrysanthemum Society's trophy was awarded to W. A. Riggs for the most meritorious display of chrysanthemums.

SILVER MEDALS: T. D. Hatfield, for artistic display of chrysanthemums; R. & J. Farquhar & Co., for meritorious display of coniferous trees and shrubs.

BRONZE MEDALS: Wm. C. Rust, chrysanthemum grown in form of a chair; R. Vincent, Jr., & Sons Co., display of pompon chrysanthemums; Langwater Gardens, display of single chrysanthemums.

FIRST CLASS CERTIFICATES OF MERIT: Bellevue Nurseries, Anemone japonica Prince Henry; Julius Roehrs Co., Croton F. Sander; Peter Fisher, new carnation May Day.

HONORABLE MENTION: R. & J. Far

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quhar & Co., display of begonias, dahlias and ferns; Julius Roehrs Co., display of orchids; Lager & Hurrell, display of orchids; W. W. Rawson & Co., display of nerines; S. J. Goddard, new carnation Pink Delight; M. A. Patten, white carnation Shasta.

VOTE OF THANKS: Langwater Gardens, vase of chrysanthemum Old Gold.

The Massachusetts Agricultural College received honorable mention for a collection of cabbages showing the false economy of buying poor seed.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The exhibit of table decorations by the students attracted a throng of visitors at the Massachusetts Agricultural College, Friday and Saturday, November 5th and 6th. The exhibit consisted of ten tables prepared and decorated by members of the class in floriculture, the decoration of each table being the work of two men working as a team. Each team was restricted to the use of chrysanthemums as flowers, but the choice of foliage was left to the students. The combinations of the various varieties of chrysanthemums with smilax, ferns, barberries and autumn leaves made up a varied and striking display and called forth much praise from the many visitors. The first prize, consisting of \$12 contributed by men interested in floricultural education, was awarded to H. F. Willard of Leominster, Mass., and C. J. Green of Bridgewater, Mass. The decorations on this table were very simple. In the center was a vase containing four splendid Nellie Pocket chrysanthemums and several fronds of maiden-hair fern of the *Adiantum formosum* type. The vase was slightly banked with ferns, and at the base were two more fine Nellie Pocket blooms. Under

each plate was a single frond of the fern, while at each of the four corners of the table was a group of three chrysanthemums of the anemone type on a mat of ferns. The dark green ferns and the pure white flowers harmonized especially well with the china,

which had a delicate fern in the pattern, and the judges were unanimous in their choice of the table for first place.

The second prize, consisting of Scott's "Manual of Floriculture" contributed by the Florists' Review, and



PARTIAL VIEW OF POMPON DAHLIA FIELD

J. L. Moore, Northboro, Mass.

five years' subscription to "HORTICULTURE," contributed by Horticulture Publishing Company, was awarded to I. W. Davis of Lowell, Mass., and E. M. Brown of West Springfield, Mass. Six huge Bonnafton chrysanthemums centered in a heavy mass of smilax, in which were scattered six more of the same blooms, made a striking decoration for this table. The judges were: Prof. A. S. Kinney, instructor in botany at Mount Holyoke, H. W. Field of Northampton, and Dr. W. B. Lancaster of Amherst. The tables were loaned by E. D. Marsh of Amherst, the china by the Charles Hall Company of Springfield, and the silver by the Ladies' Benevolent Society of the First Church, Amherst. Besides the exhibition of table decorations, there were shown violets, carnations, roses and a large number of varieties of chrysanthemums, all raised in the college greenhouses.

ROYAL HORTICULTURAL SOCIETY, LONDON.

The Vincent Square Hall was overflowing with exhibits on Tuesday, October 26, orchids being more especially plentiful; then came dahlias, winter-flowering and tuberous rooted begonias, the latter extremely decorative and whose season will soon come to an end. Perennial asters made a fine show; it is doubtful if these flowers have ever been observed to greater advantage. New Zealand shrubby veronicas, berried shrubs and finely grown hollies were abundant. Added to these attractions there were competitive exhibits of onions, apples, pears and grapes.

Pæony-flowered dahlias formed attractive features, Mr. Baker of Wolverhampton having a particularly showy group of these rather coarse looking flowers. Of varieties I may mention the following: A. B. Bantock, crimson, semi-double, splashed with white, and sometimes with lake the petals spatulate, pointed at the tips and the anther mass bright yellow; Glory of Baarn is of the same form, but is of a shade of lilac; John E. Faire is purplish rose; Colonel St. G. Wolseley, creamy white, flushed occasionally with rose; Mrs. Copland, old rose and something more than semi-double in form; Faust is a very striking orange scarlet variety; Elphinstone is of a royal purple tint, lighter in tone towards the tips of the petals, and 8 inches in average diameter. Another, its equal in size, was Baron de Graney; The Warrior, a blood red flower, was a striking variety, 7 inches in diameter; and Lady Norman, which was 8 inches across; Germania, Duke Henry, Countess of Lonsdale and Mrs. Mackellar were good varieties, in color, form and size.

Small exhibits of dahlias were shown by J. Cheal & Sons, who also

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SINGLE TULIPS	Per 100 Now	Cat
LaReine	\$.50	\$1.00
Yellow Prince80	1.00
Duc van Thol, Scarlet	1.35	1.60
Superfine Mixed .....	.85	1.00

DOUBLE TULIPS	Per 100 Now	Cat
Imperator Rubrum	\$2.25	\$2.60
Murillo	1.75	2.00
Rex Rubrorum	1.65	1.85
Superfine Mixed Early .....	.80	1.10
Chinese Lilies, per basket		\$1.10

SINGLE NARCISSUS

	Per 100 Now	Cat.
Princess Maximus	\$1.80	\$1.00
Empress	1.60	1.75
Emperor	1.80	2.00
Golden Spur	2.00	2.25
Poeticus, Pheasant's Eye .....	.50	.65
Poeticus, Burbidgil .....	.50	.65

DOUBLE NARCISSUS

	Per 100 Now	Cat.
Albo-pleno Odorato	\$.50	\$.65
Von Sion, True Daffodil	1.00	1.25
Von Sion, Double Nose	1.80	2.00
Mixed .....	.60	.75
Single Jonquills .....	.60	.75

Not less than 50 bulbs of each kind.

To secure these prices must mention this paper

JAMES VICK'S SONS, ROCHESTER, N. Y.

Special Fall Sale of Bulbs

Fall, 1909. 481,000 Bulbs Ready to Ship.

In ordering bulbs, please state whether by factory on arrival fire them back at once. We prefer to ship C. O. D., with privilege of examining. A trial order will convince.

SINGLE DUTCH HYACINTHS.

In red, rose, dark red, white, pure white, bluish white, blue, dark blue and yellow. All the same price. Per 100, \$2.50; Per 1000, \$20.

SINGLE TULIPS.

	Per 100	Per 1000
Bizard Pronkert, red and yellow	\$1.00	\$8.00
Canary Bird, pure yellow	1.00	8.00
Cardinal's Hat, dark red	1.00	8.00
Colour Ponceau, crimson and white	1.00	8.00
Jacoba Van Beieren, large, pure white	1.00	8.00
Lae Van Rhijn, purple violet	1.00	8.00
Ma Van Almable, red and yellow striped	1.00	8.00
Purple Crown, dark purple	1.00	8.00
Very fine mixed	80	600
Parrot Tulips, mixed	80	600
Bizarre and Bybloemen, mixed	80	600
Breeder's Plain Colored, mixed	80	600
Darwin Tulips, mixed	80	600
Various species of Tulips, mixed	80	600

NARCISSUS.

	Per 100	Per 1000
Paper White Grandiflora	\$1.80	\$6.00

FRIILLARIA MELEAGRIS.

Guinea Hen Flower, mixed	1.00	8.00
--------------------------------	------	------

IRIS.

Anglica, in superior mixture ..	1.25	10.00
Hispanica, in extra mixture ..	.50	4.00
Germanica, in extra mixture ..	1.50	12.50
Kaempferi, in extra mixture ..	1.25	10.00
Pavonia, the Peacock Iris ..	1.00	8.00
Iris Tuberosa (Snake Head) ..	1.25	10.00

GLADIOLIUS AMERICA, Calif. grown.

America, 7-in. circumference ..	5.00	40.00
America, 5 to 6-in. circumfr'n'ce ..	3.50	30.00
America, bulblets		5.00

CALLA LILY BULBS, Calif. grown.

Calla Bulbs, 3 to 4-in. circumference, fine	3.50	30.00
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Address all orders to

Berrydale Experiment Gardens, Holland, Mich.

Route No. 1, Box 54.

Iris Pallida Dalmatica

No florist or landscape-gardener can afford to be without a good stock of this beautiful hardy plant; it is beautiful in the border, and beautiful in floral decorations; easy and strong grower. In color, a beautiful shade of lavender, similar to the darkest shades of Vanda coerulea.

\$12.00 per 100; \$100.00 per 1000.

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McHenry Ave., Westwood,

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LILIES Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bengera.

Write for prices.

E. S. MILLER Wading River L. I., N. Y.

showed a number of what may be termed pompon cactus forms, having flowers of about 4 inches in diameter, very suitable for bouquet work, and single-flowered varieties in telling tints.

David Russell, Brentwood, made an admirable display of hollies, green, silver and gold variegated. A fine form of the silver variegated weeping holly was noted, as likewise the species fragrans, and Ilex Lawsoniana aureo maculata, both of them rare. This nurseryman showed Osmanthus argenteus variegatus, and O. aureo-variegatus.

Mr. Vickery Gibbs staged a grand group of hardy asters (Michaelmas Daisies). Each bouquet consisted of flowering shoots, arranged in cups or funnels of water, one above the other, thus forming pyramids of bloom, measuring 4 to 8 feet in height, and 3 to 6 feet in largest diameter.

In next week's issue we shall mention some of the many new and rare orchids staged on this occasion.

A full account of the Dobb's Ferry show will appear in the next issue of HORTICULTURE.

Bobbink & Atkins

Nurserymen and Florists

Rutherford, - N. J.

BOXWOOD AND EVERGREENS

Boxwood, Pyramid:

2½ ft. ...	\$1.00 each	4½ ft. ...	\$3.50 each
3 ft. ...	2.00 each	5 ft. ...	4.00 each
3½ ft. ...	2.50 each	5½-6 ft. ...	5.00 each
4 ft. ...	3.00 each	6 ft. ...	6.00 each

Boxwood, Bush:

12-15 inches.....	.25 each
15-16 inches.....	.35 each
18-24 inches.....	.50 each
24 inches.....	.75 to \$1.00 each
Larger sizes, \$1.50, \$2.00 & \$2.50 each	

We have a large quantity and fine assortment of small EVERGREENS for Window Boxes and Vases:

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes.

A Visit to our Nursery will convince you we have the quality that gives satisfaction.

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana	Niobe
Paul Weber	Prof. Wolters
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Vervaekeana	Louis de Kerchove
Mme. Van der	Deutsche Perle
Cruyssen	John Llewellyn
Dr. Moore	Mme. Jos. Ver-
Mme. Cam. Van	vaene
Langehove	Memoire de L'Van
Paul de Schryver	Houtte
Sigismund Rucker	and others.

Dia.	Doz.	100	Dia.	Doz.	100
8-10.	\$3.50	\$25	15-16.	\$9.00	\$75
10-12.	4.50	35	16-18.	12.00	90
12-14.	6.00	45	18-20.	25.00	200
14-15.	7.50	60	20-24.	36.00	300

Order early to save heavy express charges; impossible to ship by freight in cold weather.

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MR. BUYER Make Yourself THE BEST Familiar With

Our stock is exceptionally fine this season and we can assure you of the very highest quality in the plants listed.

CROTONS, 4 in., \$25.00 per 100; 5 in., \$6.00 and \$9.00 per doz.; 6 in., \$9.00, \$12.00 and \$15.00 per doz.; 7 in., \$24.00, \$30.00 and \$36.00 per doz.; 8 in., \$3.00 and \$4.00 each.

CYCLAMEN WELL BLOOMED, \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per doz.

BEGONIA LORRAINE, DARK AND LIGHT, WELL BLOOMED, 3 in. pots, \$25.00 per 100; 4 in. pots, \$40.00 per 100; 5 in. pots, \$6.00 per doz.; 6 in. pots, \$9.00 and \$12.00 per doz.; 7 in. pots, \$15.00 and \$18.00 per doz.; 8 in. pots, \$24.00 and \$30.00 per doz.; 12 in. pots, \$6.00 each.

DRACAENA MASSANGEANA, 6 in. pots, \$15.00 and \$18.00 per doz.; 9 in. pots, \$4.00 and \$5.00 each.

ARECA LUTESCENS, 6 in. pots, \$12.00 and \$15.00 per doz.; 7 in. pots, \$18.00 and \$24.00 per doz.

NEPH. AMERPOHLII, SCOTTII, TODEAOIDES, IN GOOD CONDITION, 6 in. pots, \$6.00 per doz.; 8 in. pots, \$12.00 per doz. Large plants at \$15.00, \$18.00, \$24.00 and \$30.00 per doz.

NEPH. BOSTONIENSIS, large tubs, \$3.00, \$3.50 and \$4.00 each.

Send a sample order and we will do business with you.

ROBERT CRAIG CO., 4900 Market St. PHILA., PA.

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FERNWOOD NURSERY

STAMFORD, - CONN.

New York Office, 50 W. 30th Street

Having been unable to supply all the Boxwood asked for, from our first consignment, we beg to announce that we have received an additional 120 cases of first class Boxwood from 12 inches to 8 feet, and are now ready for shipment.

Also have now ready for Thanksgiving, Begonia Gloire de Lorraine, Cyclamen and a large assortment of Boston and Scotti Ferns, Dracaena Massangeana, Araucarias and Palms, all of which are the very best.

Our Prices Are Reasonable. Come and see them and be convinced.

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Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

In ordering goods please add "I saw It In HORTICULTURE."

AWARDS AT MADISON, N. J.

In our account of the exhibition of the Morris County Gardeners' and Florists' Society last week the list of prize winners was crowded out. William Duckham was the winner of the "36 flowers in 6 varieties" prize, the "24 flowers in 24 varieties," the Dr. McAlpin special and the R. D. Foote special for 25 carnations, one variety, and first for 6 plants for table decoration. John Downing had more first prizes to his credit than any other exhibitor. He secured the Rickard Bros.' cup with his group and the trophy was well won.

The winners of first prizes on chrysanthemums were James Fraser, Ed. McElhauey of New Brunswick, N. J., Alex. Michel, E. E. Wild, H. Hentz, Jr., Alex. Brown, Chas. Barbauer and Jos. Allenge.

In roses, first prizes went to L. A. Noe, Henry Hentz, Jr., L. B. Coddington, Wm. Muhlmichel, Wm. Duckham, D. Falconer, E. H. Behre, F. L. Moore, A. McKendry, P. H. Cox and Wm. Inglis. Conspicuous among the carnation prize winners were Brant Bros. and Messrs. Duckham, Inglis, Totty and Fraser. In violets, Wm. Duckham and Max Schneider fought it out. Edw. Reagan showed some fine plants of Nephrolepis Scholzei which won first prize. J. D. Preusner got a certificate of merit for Nephrolepis Preusneri. John Heeremans sent from South Carolina some Sea Island cotton, tillandsia and peanuts. Mr. Heeremans' prize for the largest chrysanthemum in the exhibition was won by John Downing.

We still have a few thousand

AZALEAS

to offer at import prices in the best commercial varieties; also Bay and Box Trees, Euonymus, Eurya Latifolia, Araucaria, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus and Small Ferns for Dishes in best sorts at lowest wholesale prices.

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OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohli, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

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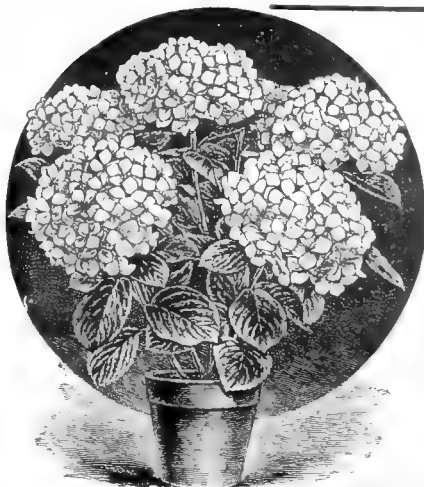
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From my well-known strain, none better; also DAISIES (bellis) and FORGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

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HYDRANGEA
Hortensis Otaksa

Splendid field grown stock, suitable for six inch pots, 3 to 4 leads, in prime condition to force for Easter.

\$3.50 per dozen \$25.00 per 100

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PHILADELPHIA, PA.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule,

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD
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At Once

To clear our benches for work, we will literally give away 50,000 stock mums at \$2.00 per 100; \$15.00 per 1000; 10 of a kind in 100 lots allowed, 25 of a kind in 1000 lots allowed. List—

GOLDEN GLOW, OCTOBER FROST, ROSERIE, BERGMANN, POLLY ROSE, PACIFIC SUPREME, WHITE CLOUD, MONROVIA, ALICE ROOSEVELT, ALICE BYRON, TOUSET, ENGUEHARD, EATON, WHITE BONNAFFON, APPLETON, WINTER CHEER, BAILEY, WHITE DEAN, NONIN, GOLDEN WEDDING, CLAY FRICK, INTENSITY, BLACK HAWK, and many others—all the staple and newer ones.

SPECIAL:—GOLDEN EAGLE, best new yellow, and LYNNWOOD HALL, best late white, \$3.00 per 100.

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Best Strain in Cultivation.

4 in. pots...\$25.00 per 100 | 6 in. pots...\$75.00 per 100
5 in. pots...50.00 " | 7 in. pots...100.00 "

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Ornamental Trees, Shrubs
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Also others. Write for our descriptive catalogue. Sent free.

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Chrysanthemum Manual

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The most practical work of its kind.
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JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Seed Trade

Dissolution of Partnership.

The partnership between Sherman & Eberle, seedsmen, of 112 South Pearl St., Albany, N. Y., is on the eve of dissolution. A complete agreement has not yet been reached, nor is it known who will retain the business, but it is pretty well settled that whichever partner sells, he will immediately start in business either under his own name or with new connections. The statement that George Philp had severed his connection with Sherman & Eberle is correct, but it develops that Mr. Philp was immediately engaged by Mr. Eberle in anticipation of the coming dissolution of the Sherman & Eberle co-partnership, and is now out drumming trade for his new employer. George has winning ways, and is regarded a very successful salesman.

Advance in Contract Growing Prices.

Contract growing prices are sure to show a marked advance on the general lines of peas and beans the coming season. Farmers are demanding more for their part in the business, and the growers must in turn advance their figures. So far as can be ascertained, none of the principal growers have yet definitely fixed a schedule of prices, but this will not be long delayed, and it can be stated as a fact that there will be a sharp advance over last year's growing prices. More full and specific information will be given in the near future.

Philadelphia Seed Trade Notes.

Jno. R. Satterthwaite succeeds to Tomlinson & Satterthwaite in the seed business at Trenton, N. J.

I. N. Simon & Son, seedsmen, 43 North Water street, have moved to 6 North Front street. They occupy the whole building, four stories and basement and are now right in line for transient trade from the ferries and Market street.

The Phila. Seed Co., a new concern making a specialty of grass and field seeds have located at 127 North Water street. C. A. Neall is president, J. C. Rupp, secretary. Both were for years with Scarlett of Baltimore and Mr. Neall was in the Agricultural Department at Washington for four years.

Notes.

George C. Stumpp, of Stumpp & Walter Co., New York City, has been elected Mayor of Bergenfield, N. J.

The J. F. Noll Seed Co., 115 Mulberry St., Newark, N. J., has been organized as J. F. Noll & Co., with a capital of \$100,000.

INCORPORATED.

Northwest Nursery Co., North Yakima, Wash, \$25,000. C. E. Honner, W. W. Ewing, J. H. Royer.

Crystal Springs Nursery Co., Seatle, Wash. Capital \$10,000. M. Furrys, W. L. Gazzam, W. A. Kuehn.

The Caldwell Nursery Co., of Caldwell, Ida., has been incorporated with a capital stock of \$25,000, by W. S. Hawkes, Charles T. Hawkes, H. H. Cummins and W. R. Wilkerson.

Michell's Seasonable Seeds

VERBENA SEED

Michell's Mammoth Fancy Strain. This is without doubt the finest strain ever offered to the trade, combining large size, purity of color and free flowering qualities.

Tr. Pkt.	Oz.	Tr. Pkt.	Oz.
Blue.....30c.....	\$1.25	Pink.....30c.....	\$1.25
Scarlet.....30c.....	1.25	Striped.....30c.....	1.25
White.....30c.....	1.25	Mixed.....30c.....	1.25

SWEET PEAS, (Winter Flowering)

Christmas Pink (Pink and White) White (Florence Denzer). Mrs. Alex. Wallace (Lavender).

Price 25c per oz; 1 1/4 lb. 75c; per lb. \$2.

Also all other varieties as listed in our Wholesale Catalogue a copy of which is yours for the asking.

MOSS, Green Lump. In Bags Containing About **75c per Bag**
One Barrel

Henry F. Michell Co. 1018 Market Street **Phila.**

CONTINENTAL EARLY VEGETABLES AND SALAD PLANTS.

To write of the above in general is not an easy matter, as in most parts the so-called local varieties are those chiefly cultivated. I will in the present note mention those exposed for sale in the market of Frankfort-on-the-Main. Of radishes the leading varieties are Erste Ernte (earliest crop). The root is bright red, top consisting of a little bunch of short leaves. One of the best radishes for forcing but almost useless for open air cultivation in the hot months, owing to the root becoming woolly very soon. Marktkonigin, or properly Ruhm von Meckan, is a very early variety forming short leaves, and globular root. It is a superior summer variety. The Wuerzburger radish is considered a good variety, which, however, on account of its large size is not much in demand. The earliest to come into use, and the one meeting with most favor is the Grau halb-lange. I advise those who would cultivate this radish to press the seeds into the soil singly, and to sow in drills in the ordinary manner. The seeds should be inserted in the soil at a regular distance apart, which by a little practice is rapidly done. In a garden frame 1 ft. 6 in. in length by 3 1-2 ft. broad, five rows of seven seeds each are pressed in by finger and thumb.

In raising a crop of early kohlrabi gardeners often court failure by sowing seeds that are less than one year old, whereas, by employing seed of fully one year old, it is seldom that a plant runs into flower. Great care must be observed that the growth of the plants receives no check. The Ulmer Fruhe Glas-Kohl-rabi (Early Ulm) is still the best variety.

Of forcing lettuces there are numerous varieties, but it does not pay the market gardener to cultivate too many of these. The variety Ideal does not pay, it being too small; and when grown in warmth it produces a rather tall stalk. It is interesting to observe how carefully the purchaser handles the Paris lettuces, so that not a leaf is lost—for there are only three of them. It is far different with the Frankfurters when the early lettuces come into the market, for then the buyer cannot have too much in the handful and it becomes necessary to sell by weight. Ruhl's Marktbeher-scher (King of the Market) is a new introduction of a Wiesbaden gardener. This variety possesses every good property which a lettuce can have. The well-developed head is of a golden

tint, large and firm, and is weather-proof. Sutton's Commodore Nutt, a famous English variety, has been introduced. The head is of a green color, and it comes early into use. The method of making the head yellowish is not as yet much known. When the head has formed, in frame-grown plants the frame is forthwith uncovered and the plants are sprinkled with water, and the lights replaced. When the sun shines on the glass a steamy atmosphere is created and scorching is thereby avoided. The heads under this sort of treatment become of a pleasing yellow tint. The varieties Schwarzkorn (Black-seeded); and Steinkopf (Stone-head) are equally good varieties.

F. M.

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Thorburn's Bulbs

Paper White Narcissus
and all other DUTCH BULBS
of High Grade.

A few LILIUM HARRISII "7/5" left at
\$37.00 per 1000

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BULBS
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**CAULIFLOWERS
CABBAGE**

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

**CABBAGE
PARSLEY
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Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.

Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.

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R. VINCENT, JR., & SONS CO.
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→ SINGLE LATE MAY-FLOWERING or DECORATION DAY TULIPS ←



These are exceptionally useful flowers for Decoration Day, and every florist should plant out a few. Once planted, they will remain for years and serve you with a wealth of bloom.

	100	1000
Beauty of America. Creamy white, turning pink...	\$1 00	\$8 00
Bizarres. Handsome, rich flowers, with yellow ground; finest mixed.	75	6 00
Bouton d'Or. Deep golden yellow; very handsome flowers	85	7 50
Bridesmaid. Lovely soft pink	85	7 50
Bybloems (Roses). White ground, blotched, striped or feathered with lilac.	85	7 50
Bybloems (Violets). White ground, striped and blotched purple and blue.	90	8 00
Darwin. Very large flowers. They include every known shade	85	7 50
Golden Crown. Large, bright yellow	1 00	7 50
Gesneriana, Scarlet (true). Largest and handsomest of all Tulips; fine for Decoration Day	1 25	10 00
Macropsella. Crimson-scarlet, black center.	85	7 50
Isabella (Shandon Bells). Carmine-rose, shaded creamy white	1 00	9 00
Maiden's Blush, or Picotee. Clear white, margined on the edge with pink, pointed and reflexed petals; most beautiful	90	8 00

PARROT, or DRAGON TULIPS

Parrot Tulips should be more largely grown. Their odd colors and fantastic shades make them ready sellers, and make a unique decoration when placed in vases or low bowls.

	100	1000
Admiral de Constantinople. Large; red, yellow edge.	\$0 85	\$7 50
Cramoisie Brillante. Rich blood-crimson, with bluish markings	85	7 50
Lutea major. Large, showy yellow	75	7 00
Markgraaf von Baden. Red and yellow, orange inside; very showy	1 00	9 00
Perfecta. Yellow, striped red	85	7 50
Superfine Mixed Parrot Tulips	75	6 00

ARTHUR T. BODDINGTON, SEEDSMAN

342 W. 14th Street, New York City, N. Y.

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NEW CROP

FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, claret base
Pink with
claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

ORDER NOW French and Dutch Bulbs FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

LEONARD SEED CO.

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, **CHICAGO**

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WHOLESALE SEED GROWERS

Onion, Lettuce, Sweet Peas and other California Specialties

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.
Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00.
For larger quantities, special quotation.

O. V. ZANCEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

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Fischers Purity Freesias**

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Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Newark, N. J.—D. Cole, Clinton St.
McKeesport, Pa.—W. H. Fisher,
Fifth Ave.

Muskegon, Mich.—Pew & Dawes, 54
West Western Ave.

Freeport, Ill.—Freeport Floral Com-
pany, Stephenson St.

Columbus, O.—Riverside Floral Co.,
Goodale and High Sts.

Berkeley, Cal.—H. M. Sanborn Co.,
University and Shattuck ayes.

STEAMER DEPARTURES

Allan Line.

Numidian, Boston-Glasgow...Nov. 17
Corsican, Montreal-Liverp'l...Nov. 19
Pomeranian, Mont'r'l-London...Nov. 20
Ionian, Montreal-Glasgow...Nov. 20

American.

St. Louis, N. Y.-S'hampton...Nov. 20

Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 20

Cunard.

Ivernia, Boston-Liverpool...Nov. 16
Lusitania, N. Y. Liverpool...Nov. 17

French Line.

La Lorraine, N. Y.-Havre...Nov. 18

Hamburg-American.

Pres. Grant, N. Y.-Hamburg...Nov. 17
Victoria, N. Y.-Hamburg...Nov. 20

North German Lloyd.

Prinz's Irene, N. Y.-Med'n...Nov. 20
G. Washington, N. Y.-Br'm'n...Nov. 16
K. Wilhelm II, N. Y.-Br'm'n...Nov. 23

Red Star.

Finland, N. Y.-Antwerp...Nov. 17

White Star.

Celtic, N. Y.-Liverpool...Nov. 20
Majestic, N. Y.-Southampton...Nov. 17
Cymric, Boston-Liverpool...Nov. 17
Megantic, Montreal-Liverp'l...Nov. 20

PERSONAL.

Carl Diedrick has accepted a position
with S. M. Banks, florist, of West-
port, Conn.

L. D. Robinsen, Jr., and Miss Edna
S. Nash were married at Springfield,
Mass., on the evening of November 3.

Peter Zuger, who has recently start-
ed as florist and landscape gardener at
South Manchester, Conn., requests that
trade catalogues be sent to him.

Edward A. Whitney, florist of Old-
town, Mass., has been appointed super-
intendent of the South Attleboro ceme-
tery to succeed F. E. Shaw, who re-
signed.

James Cleary, florist, of New Bed-
ford, Mass., was pleasantly surprised
by his fellow florists last week and
made the recipient of a handsome
silver mounted harness.

Visitors in Boston—George C. Wat-
son, Phila., Pa.; E. A. Moseley, Wash-
ington, D. C.; Elmer D. Smith, Adrian,
Mich.

The formal opening of Stephen B.
Hoyt's new greenhouses at the Old
Homestead in South Main street, New
Canaan, Conn., took place on Novem-
ber 4.



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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

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Telephone 1442-1443 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

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NEW YORK

Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWER" BY TELEGRAPH

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

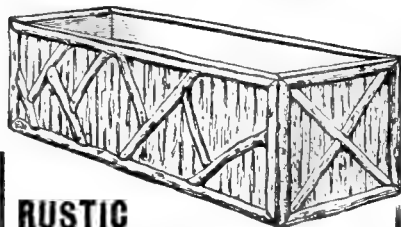
194 Boylston Street, Boston

For Steamers sailing from Montreal and Quebec
Order by Mail or Telegraph from

McKenna
FLORIST
MONTREAL

Careful attention and prompt delivery.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.



RUSTIC WINDOW BOXES

Made to order 75c per running foot up. Cedar Bark, per bundle, 100 square feet \$3.50.

HOLLOW RUSTIC LOGS

(For Ivies, etc.) 3 feet high and upwards, from \$1.00 up.

Laurel, Cedar and Pine Branches in barrels \$1.00, in bundles 50c. Grape Vine per coil \$2.

MAPES RUSTIC WORKS, CLAYTON, N. J.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

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DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON

CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-7.

In writing advertisers kindly mention HORTICULTURE.

Boston tried the 50 cent admission plan at this year's chrysanthemum show, with 25 cent rate on Sunday and it proved a success. 25 cents has been the maximum heretofore. The receipts exceeded last year's by \$300.00.

MISSISSIPPI MATTERS.

This section of the country is showing strong signs of waking up to the opportunities offered in the floricultural line. Pass Christian and Biloxi are two famous summer resorts on the coast and a good business is done the whole season, both in plants and cut flowers. J. P. Adams has been established at the former place for a number of years and a year ago added a nice rose house to his plant, which has been a success from the start. At Biloxi Geo. D. Mahn, a former grower of New Orleans, ventured in business about two years ago and has now an established trade. Washingtonia robusta and Phoenix Canariensis are two palms largely planted for outside decoration, and both of these growers keep a supply of all sizes.

Columbus, an inland town of about 12,000 inhabitants, boasts of two progressive florists. T. G. Owen has a range of 125,000 sq. ft. of glass, devoted chiefly to roses and carnations, which he grows in good shape. This cut goes to Memphis, Birmingham, New Orleans and the smaller towns in the state. The Columbus Floral Co. has a range of 10,000 ft. devoted to the retail trade, and both plants and cut flowers are raised. Nearby towns having no florist draw heavily on this firm at times, and never meet with disappointment. B. F. Kline is the manager and takes pride in the results achieved. At Booneville, in the northern part of the state, some lady florists grow a big lot of chrysanthemums and grow them well. They are retailed from the finest stores in New Orleans and certainly don't have to blush when placed alongside the finest from Chicago. Jackson, the capital city, has one establishment started a year ago and the venture is succeeding. At Greenville a new modern range has just been built and there is no fear for its future. Meridian, an important railroad centre, supports two florists—Mrs. Watts and J. W. Marshall, Jr. The latter this last summer added two small houses of Lord & Burnham material, for roses.

The soil in this state is eminently suited for roses, and where irrigation can be supplied in times of drouth a great cut can be had all season from the outside. Indoors the plants show remarkable vigor and certain varieties like Kaiserin and W. R. Smith produce flowers that can not be surpassed anywhere. No matter how hard the plant is cut it comes up smiling for more, stronger than ever. The very grip of the soil inspires confidence in a grower.

There are many small towns yet without a florist and a grower with a small capital need have no hesitancy in embarking in business in any of them.

NEW ORLEANS NOTES.

J. A. Newsham has built a handsome show room in front of his place and is contemplating adding a rose house and orchid house. H. Papworth was at the Chicago show this week as one of the judges.

The weather for the last two weeks has been exceptionally warm and all outside flowers are blooming finely. Roses, especially the Pink and White Cochetts, are producing blooms that surpass anything grown under glass.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Alternanthera is just taking on its brightest hues and flower beds in the parks are a blaze of color.

All Saints' day trade this year was rather a disappointment. The regular stores and growers did about the usual amount of business, only two—J. A. Newsham and Metairie Ridge Nursery Co. reporting a substantial increase. The chrysanthemums received from the north were not nearly so fine as the home-raised ones, or the ones received from points in Mississippi and Alabama. The retail prices ranged from \$3 to \$10 per dozen, the biggest quantity being sold at \$5 and \$6. The truck farmers and other small growers who raise some chrysanthemums for this holiday, and depend on the markets for their outlet were badly stung, many of them having to haul the bulk of their cut home, even after slaughtering the prices. Some refused good wholesale offers a few days previous, which made the dose all the more bitter.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Talby.

MUMS

\$8.00 - \$25.00 per 100

All the best commercial varieties, including

White Ivory and Major Bonaffon
in any quantity.

New Crop

Bronze Galax, \$7.50 per case

Business hours: 7. A. M. to 8 P. M.

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1209 Arch Street, - PHILADELPHIA, PA.

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51 Wabash Ave. Long Distance Phone
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Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

Easter Lilies

Choice Stock. \$1.50 per dozen.
\$10.00 per 100.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

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Long Distance Phone, Central 6004

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45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
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respondence solicited.

POEHLMANN BROS. CO.

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 9		Nov. 8		Nov. 9		Nov. 11	
ROSES								
Am. Beauty, Fancy and Special.....	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00	12.00	to 20.00
" Extra	20.00	to 25.00	15.00	to 25.00	15.00	to 20.00	8.00	to 10.00
" No. 1.....	15.00	to 20.00	10.00	to 15.00	10.00	to 12.00	4.00	to 6.00
" Lower grades.....	4.00	to 10.00	6.00	to 10.00	8.00	to 10.00	2.00	to 3.00
Bride, 'Maid, Chateaux, F. & S.....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	2.00	to 5.00
" Lower grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	.25	to 1.00
Killarney, Fan, & Sp.....	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00	2.00	to 6.00
" Lower grades.....	3.00	to 6.00	3.00	to 6.00	3.00	to 5.00	.25	to 1.00
Richmond, Fancy & Special.....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	2.00	to 6.00
" Lower grades.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	.50	to 1.00
My Maryland.....	4.00	to 10.00	4.00	to 8.00	3.00	to 8.00	.50	to 6.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	4.00	to 5.00	3.00	to 4.00	3.00	to 4.00	1.50	to 2.00
" 	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Chrysanthemums, fancy.....	15.00	to 20.00	10.00	to 25.00	15.00	to 25.00	8.00	to 15.00
" ordinary.....	10.00	to 12.00	5.00	to 10.00	8.00	to 12.50	4.00	to 8.00
Cattleyas.....	15.00	to 50.00	40.00	to 60.00	40.00	to 50.00	20.00	to 30.00
Lilies.....	15.00	to 20.00	12.50	to 15.00	10.00	to 12.50	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	2.00	to 4.00
Violets.....	.75	to 1.00	.75	to 1.00	.50	to .75	.20	to .40
Mignonette.....	.....	to .....	.....	to .....	.....	to	1.00	to 2.00
Sweet Peas.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Gardenias.....	20.00	to 25.00	25.00	to 35.00	25.00	to 35.00	20.00	to 25.00
Adiantum.....	.75	to 1.00	1.00	to 1.25	1.00	to 1.25	.75	to 1.00
Smilax.....	10.00	to 12.00	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings (100).....	40.00	to 50.00	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00
" " & Sprea. (100 bchs.).....	35.00	to 50.00	25.00	to 35.00	.....	to 50.00	15.00	to 25.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have new crop Leucothoe, \$7.50 per 100; \$1.00 per 100; Bronze Galax, the only stock in New England; Green Galax, new crop; New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

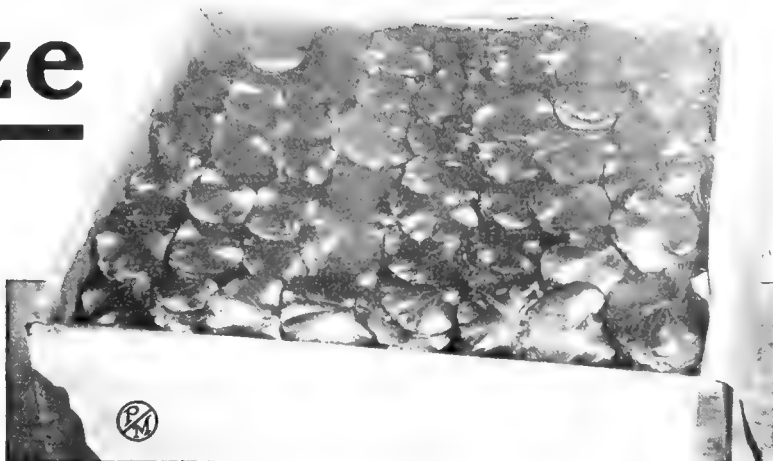
LONG DISTANCE PHONES, 2617-2618 MAIN.



Bronze Galax

This stock is in splendid condition, every leaf guaranteed. Never had better stock to offer the fall trade.

\$8.50 per case of 10,000



Open from 7 a. m. to 6 p. m.

S. S. Pennock = Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON

Flower Market Reports.

BOSTON

With the exception of chrysanthemums, the various items on the wholesale market list are moving with much more life than they did last week, although in a broad sense the tone of the market is comparatively dull. Any change from the stagnation of last week is, however, very welcome. Orchids and gardenias show a vivacity which encourages, and all lines of roses are acquiring a degree of speed as gratifying as it was unexpected; but they must be good in order to find buyers. Violets are being held back, apparently, for the Yale trouble at New Haven on Saturday. For the coming few days much depends on the weather.

CHICAGO

Chicago market has been suffering from the effects of the flower show and the thousand dollars spent by the visitors at the Coliseum meant one thousand dollars not in the retailers' money drawer. The demand certainly was light, whatever the cause, and this week opens up with no great improvement. The warm weather has also been a factor in creating conditions amounting almost if not quite to a slump. Carnations are lower in price than for several weeks and the stock is excellent. Bouvardia has taken quite a prominent place these last few days and the orders can hardly be filled. This shows what an advertisement the flower show booths are for the retailer. The Wienhoeber table decoration which received first prize the six consecutive days of the show was done in pink bouvardia, and John Kruchten is the lucky man who furnished it and who has that flower in abundance this year. Chrysanthemums of every size and color are in in quantity. Everything is fine except the price, which might be said to be too fine.

NEW YORK

The tone of the market has not improved since our last report. It has been, in fact, a very unsatisfactory week, prices being low and all lines of material far in excess of the requirements. Chrysanthemums are in their full tide and, while making the conditions almost intolerable for all other things, have not been able to develop any compensating prosperity on their own account. They are bringing prices lower on the average than ever before, for same quality. Roses have suffered as much as any other single item and in addition to slack demand are decidedly off in quality in many instances. Carnations are a dead proposition at the present time. Of these, also, there are many inferior lots coming in. Violets were never better but they move feebly and when disposed of in quantity the prices are low, as indeed they are on everything whenever a purchaser for

wholesale quantities appears. The situation favors the retail store keeper in a general way but it also puts fat on the sidewalk merchant, who is enabled to carry and offer at cheap figures the highest grade of stock, a fact which bears hard upon the storekeeper in many respects.

PHILADELPHIA

The bottom fell out last week and everybody is in the dumps. There was a falling off all along the line and no special class of flowers was exempt from lack of activity. Chrysanthemums, roses, carnations, and all the staples, suffered from over supply, the only item holding its own being the orchid, which was, and remains, scarce. Violets improved a little as to quality. Sweet peas and mignonette are also improving. Jardine roses are coming in much better. This is a great rose. Many have been free with their criticism; but they have another think coming.

WHOLESALE FLOWER MARKETS. — PER 100. — TO DEALERS ONLY.

	CINCINNATI Nov. 9		DETROIT Nov. 9		BUFFALO Nov. 9		PITTSBURG Nov. 9	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 30.00	30.00	to 35.00	20.00	to 25.00	.....	to 25.00
" Extra	15.00	to 20.00	25.00	to 30.00	15.00	to 20.00	15.00	to 20.00
" No. 1	8.00	to 15.00	18.00	to 22.00	6.00	to 8.00	6.00	to 10.00
" Lower grades	6.00	to 8.00	4.00	to 16.00	2.00	to 6.00	3.00	to 4.00
Bride, 'Maid, Chateaux, F. & S.	6.00	to 8.00	4.00	to 6.00	.....	to 8.00	6.00	to 8.00
" Low gr.	2.00	to 4.00	3.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Killarney, Fan. & Sp.	6.00	to 8.00	4.00	to 6.00	.....	to 8.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special.	6.00	to 8.00	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	3.00	to 4.00	2.00	to 3.00	.....	to 4.00
My Maryland.	6.00	to 8.00	4.00	to 6.00	3.00	to 8.00	4.00	to 8.00
CARNATIONS, Novelties and Fancy	2.50	to 3.00	.....	to 3.00	.....	to 3.00	2.00	to 3.00
" Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	.....	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy	15.00	to 20.00	.....	to .....	.....	to	15.00	to 20.00
" Ordinary	4.00	to 8.00	12.50	to 25.00	8.00	to 25.00	4.00	to 12.00
Cattleyas	35.00	to 60.00	30.00	to 50.00	.....	to 75.00	50.00	to 60.00
Lilies	12.50	to 15.00	18.50	to 15.00	10.00	to 15.00	.....	to 18.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets .....	.25	to .35	.50	to .60	.50	to .75	.....	to .75
Mignonette .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Sweet Peas .....	.50	to 1.00	.....	to .....	.50	to .75	.25	to .75
Gardenias	40.00	to 50.00	25.00	to 35.00	20.00	to 35.00	.....	to
Adonis	1.00	to 1.50	1.50	to .....	.50	to 1.50	.75	to 1.50
Smilax	12.50	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Sprea. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.

CUT FLOWERS WHOLESALE

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

FINEST LILIES IN THE MARKET.

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Carnations

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55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
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3861**JOHN I. RAYNOR****Wholesale Commission Florist****SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS, Telephone 759 Mad. Sq., 42 W. 28th St., New York****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Nov. 6 1909		First Half of Week beginning Nov. 8 1909	
American Beauty, Fancy and Special.....	12.00	to 20.00	12.00	to 25.00
" " Extra.....	8.00	to 12.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	2.00	to 5.00	2.00	to 4.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Killarney, Fancy and Special.....	2.00	to 4.00	2.00	to 5.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Chatenay.....	.50	to 5.00	.50	to 5.00
Fly Maryland.....	.50	to 6.00	.50	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 3.00	1.50	to 3.00
" Ordinary.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET****PHONES. 1664--1665 MADISON SQUARE****ENOUGH SAID**CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist****55 & 57 W. 26 St., NEW YORK**

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
{ 5893 }**Durand & Marohn**

MANUFACTURERS OF

All Kinds of Wire Work**Florists' Wire Designs a Specialty****24 Beaver St., ALBANY, N. Y.****WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE**A First Class Market for all CUT FLOWERS****28 Willoughby St., Brooklyn, N. Y.**

Tel. 4591 Main

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIESGALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.**REED & KELLER**

122 West 28th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Noveltiesand are dealers in
Glassware Decorative Greens and Florists' Requisites

BOXWOOD SPRAYS

Clean, Choice Stock, No Heavy Wood. Every case guaranteed. We ship everywhere. Let us quote you on your requirements, for shipment now or later.

Pittsburgh Cut Flower Co., Ltd. 222 Oliver Ave.,
PITTSBURGH, PA.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

Do not be deceived by fake
Green Thread. Demand the

MEYER GREEN SILKALINE

and you will get full length and quality combined. For sale by all reliable houses.

John C. Meyer & Co., Boston and
Lowell, Mass.



**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N.Y.
For Sale by all Supply Houses

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

PHILADELPHIA NOTES.

The Roebling conservatories at Trenton, N. J. are showing with pride a pure snow-white Dendrobium Phalaenopsis—with an unpronounceable and unspellable terminal. At least, Mr. Goodier's assistant—the expert Mr. Keeling—was unable to satisfy either himself or the writer on the latter points. Mr. Keeling is from Bradford Forks.

Another Lord & Burnham house has been ordered by the Robert Craig Co. for their Norwood place, to be delivered within four weeks.

Wm. Henry Maule has awarded the construction of their greenhouse at their Jersey testing grounds to the King Construction Co.

Wm. Robertson has a lemon yellow sport from Cheltoni chrysanthemum which is considered by the experts to be very superior.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 6 1909		First Half of Week beginning Nov. 8 1909	
Cattleyas.....	25.00	to 40.00	20.00	to 40.00
Lilies.....	3.00	to 6.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narcis. Paper White.....		to 3.00		to 3.00
Chrysanthemums.....	8.00	to 15.00	8.00	to 15.00
Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Violets.....	.20	to .50	.20	to .75
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Spreng. (100 bchs).....	12.00	to 20.00	12.00	to 20.00

The thanks of HORTICULTURE and the writer are due to Francis Canning for reporting the P. H. S. fall show, on account of pressure of outside business this season. We hate to have anybody else do it, but we could not get a better substitute.

James F. Mapes, of the Mapes Rustic Works, Clayton, N. J., has nearing completion his new factory 152 x 146 ft.—of corrugated galvanized iron—to replace the structure destroyed by fire last September. New machinery has been introduced, and those in the trade who need window boxes, rustic logs, or anything in the line of natural bark or branches will find this concern headquarters. Their advertisement in another column of this issue is interesting reading.

The S. S. Pennock-Meehan Co. wish us to explain that last week's prices on cattleyas, etc., were inserted through a misunderstanding.

NEWS NOTES.

St. Louis, Mo.—An involuntary petition in bankruptcy has been filed against the Michel Plant & Bulb Co.

Kalamazoo, Mich.—A buggy containing L. P. Thurston, general manager of the Michigan Nursery Company, and his daughter, was struck by an auto at a street crossing, both vehicles being wrecked and the occupants thrown into the street. Mr. Thurston was severely cut and bruised but his daughter escaped injury. Thurston has retained attorneys and threatens suit for damages against the motor company.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA,
N. C.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ASPARAGUS

Elmer D. Smith & Co., Adrian, Mich.
Asparagus Sprengeri and Tenuissimus.
For page see List of Advertisers.

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelp, Prop., Chatham, N. J.

Asparagus Sprengeri, strong, 2-in., 2c. H. Klahr, Schoharie, N. Y.

250 Asparagus Sprengeri, 3-in., \$4.50 per 100. R. K. Stokesberry, Leetonia, Ohio.

Asparagus Sprengeri, 2½-in. pots, strong plants, \$2.00 per 100. Virginia Nursery Co., Purcellville, Va.

Asparagus Sprengeri—Good plants for 6 in. pots from bench to make room, \$5.00 per 100. Cash. J. T. Erickson, Swampscott, Mass.

Asparagus Plumosus, and Sprengeri, 2½ in., extra strong plants, ready to ship, \$2.50 per 100. O. B. Kenrick, Alexander Ave., Belmont, Mass.

AUCTION SALES

Wm. Elliott & Sons, New York.
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AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy, Roslindale, Mass.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Koehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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J. C. Schmidt, Bristol, Pa.

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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

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Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

F. W. O. Schmitz, Prince Bay, N. Y.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.

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Rickards Bros., 37 East 19th St., New York.

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H. F. Michell Co., Philadelphia.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lillies.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Lily Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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Berrydale Experiment Gardens, Holland, Mich.

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F. W. O. Schmitz, Prince Bay, N. Y.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Narcissi, Chinese Sacred Lillies, Hyacinths, Lillium Longiflorum.

CARNATIONS.

F. Dorner & Sons Co., Lafayette, Ind. Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

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S. J. Reuter & Son, Westerly, R. I. Field Grown Carnations.

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Chas. H. Green, Spencer, Mass.

Carnations Field Grown.

H. F. Littlefield, Worcester, Mass.

Field Grown Plants.

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Baur & Smith, Indianapolis, Ind.

Patten & Co., Tewksbury, Mass.

Carnation Shasta.

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A. C. Brown, Springfield, Ill.

Carnation Sangamo.

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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.

Carnation Admiration.

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CARNATIONS—Continued

Wood Bros., Fishkill, N. Y.

Field Grown.

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C. S. Ford, West Park, Philadelphia, Pa. New Carnation Constant.

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Joseph Heacock Co., Wyncote, Pa.

New Carnation Dorothy Gordon.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS AND EASTER PLANTS

William W. Edgar Co., Waverley, Mass.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.

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Wood Bros., Fishkill, N. Y.

Chrysanthemums Rooted Cuttings.

I. M. Rayner, Greenport, N. Y.

Stock Plants.

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R. Vincent, Jr., & Sons Co.,

Hardy Chrysanthemums.

White Marsh, Md.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Golden Glow, Pacific Supreme, Polly Rose and Glory of Pacific. Stock plants, 25 assorted as wanted, \$1.00. Chas. Frost, Kenilworth, N. J.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

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COSMOS—Early Flowering

Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

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Bangor Box Co., Bangor, Me.

WE PAY THE FREIGHT On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Huakel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.

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Cyclamen giganteum, mixed, 2-in., 8c. H. Klahr, Schoharie, N. Y.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

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DAISIES

Queen Alexandra Daisies, rooted cuttings, \$1.00 per 100. Shasta Daisy Alaska, large field clumps, 8c. O. C. Day, 27 High St. Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Anton Schultheis, College Point, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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F. W. O. Schmitz, Prince Bay, N. Y.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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The F. E. Pierson Co., Tarrytown-on-Hudson, N. Y.

Nephrolepis Elegantisima Compacta.
Also Nephrolepis Superbissima.

A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
Farleyense.

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Randolph & McClements, Pittsburg, Pa.
Boston Ferns.

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Robert Craig Co., Philadelphia, Pa.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

200 Boston Ferns, to clear bench, at 15 cts. Stocky. Right for 5 and 6 in. pots. E. A. Chipman, Woonsocket, R. I.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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Mapes Rustic Works, Clayton, N. J.

Rustic Vines, Branches, Bark, Etc.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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FLOWER POTS — Continued

Hilfinger Bros., Ft. Edward, N. Y.
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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 88 and 40 Broad way, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbierer, 6417 Carnegie Ave., Cleveland, O.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poitevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

Surplus stock of choice named gladioli. Also bulbs and bulbets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-80 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pomert, Prop., Amelia, O. Largest gold fish hatchery in the world.

Gold Fish. Gold Fish. Aquarium Plants. Aquarium Plants. Send for price list. Franklin Barrett, 4815 D. St., Olney, Philadelphia, Pa.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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GREENHOUSE BUILDING MATERIAL — Continued

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1259-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

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The Kervan Co., 113 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Pittsburg Cut Flower Co., Ltd.,

Pittsburg, Pa.

Boxwood Sprays.

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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HEDGE PLANTS

C. R. Burr & Co., Manchester, Conn.
Hedge Plants for Fall Delivery.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.
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INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co.,
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Stumpp & Walter Co., 50 Barclay St.,
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Godfrey Aschmann,
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Jon. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
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LILY OF THE VALLEY CLUMPS

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MASTICA

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MISTLETOE

Mistletoe Silliman's Every Sprig Ber-
ried brand. Now booking orders for De-
cember shipment. A. B. Silliman & Co.,
Home Office, Boone, Iowa.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
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Heights, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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C. R. Burr & Co., Manchester, Conn.
California Privet; Berberry Thunbergii.
Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

NURSERY STOCK—Continued

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.
Shade and Fruit Trees, Hedge, Berry
Plants, Asparagus Roots, Rhubarb. Ken-
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ONION SETS

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Fresh Imported and Established Orchids.
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Importers, Exporters, Growers, Hybridists.
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Ordonez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigham Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Orchid Growers' Manual. By B. S. Wil-
liams. 300 Illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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PANSY PLANTS.

Aug. Zirngelbel, S. Norwich, N. Y.

BROWN'S PANSIES.

Extra select, superb giant, mixed pansy
plants, \$2.50 per 1000; \$20.00 per 10,000.
Cash with order. Peter Brown, 124 Ruby
St., Lancaster, Pa.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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S. G. Harris, Tarrytown, N. Y.
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Peony list ready. Write for one today.
Standard varieties. Prices right. Gilbert
H. Wild, Sarcoxie, Mo.

PHLOXES

Old Town Nurseries, So. Natick, Mass.

PHOENIX

Julius Roehrs Co., Rutherford, N. J.
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Foley Mfg. Co., between Western Ave. and
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
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PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
E. 5th St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

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So. Erie St., Toledo, O.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenalis.
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Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRIVET

Harrison's Nurseries, Berlin, Md.

Privet Hedge by the Mile.
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CALIFORNIA 12 to 18 in., 2 to 4 bran.,
\$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M;
24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30
in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in.,
\$12.50 M; 18 to 24 in., \$15 M, well branched;
18 to 24 in., heavy, \$16 M; 24 to 30 in.,
heavy, \$20 M. F. O. B. Bostic. Cash
with order. Valdesian Nurseries, Bostic
Dept., Bostic, North Carolina.

California Privet, well rooted and well
graded. Write for prices. John H. Lane,
Little Silver, N. J.

RHODODENDRONS

John Waterer & Sons, Ltd.,
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American Grown Roses.
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New Rose Daybreak.
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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.
Baby Rambler roses, strong, three-year-
old, field-grown, own root, have been cut
back and lifted and have become well estab-
lished in 5-in. pots, at \$12.00 per 100. Vir-
ginia Nursery Co., Purcellville, Va.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

SPRAYERS

Chas. J. Jager Co., Boston.
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VENTILATING APPARATUS—

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 301 N. 7th St., Scranton, Pa.
50 per cent less than manufacturing cost. Our specialty—100 assorted designs, \$10.00.
H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

WHOLESALE FLORISTS**Boston**

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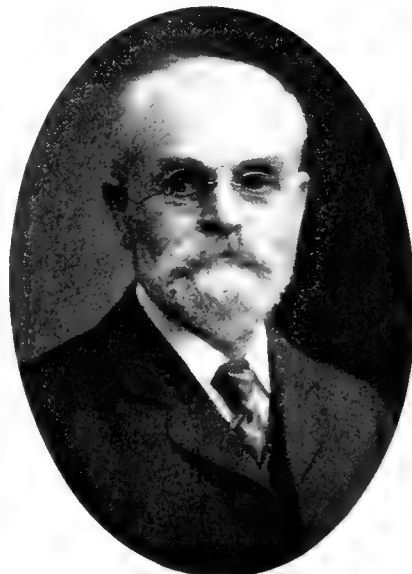
NEWS OF THE CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The meeting of this organization last Monday evening was marked by a large attendance, and they got their money's worth in some very interesting and richly humorous episodes not down on the program. The outcome of the exhibition of the Horticultural Society of New York, in which the club individually and collectively had taken a deep interest, was the cause of much gratulation. F. R. Pierson, Patrick O'Mara, Jas. T. Scott and H. A. Bunyard, all talked interestingly on this topic, noting with much satisfaction that at last it had been demonstrated that the people of New York could be awakened to take an interest in flower shows and pointing out the ways in which improvements can be made in the future. The indifference displayed by the "floral artists" towards the enterprise was commented upon and the possibility of overcoming this by providing big prizes was suggested. A wider publicity through the daily press was favored by all.

Wm. Wells, the famed chrysanthemum specialist of Merstham, England, who is visiting New York as the guest of C. H. Totty, was an interested and interesting participant in the meeting. His genial manner and jovial disposition captured all hearts at once and his remarks on the comparative behavior of different varieties in his home and here, and on the characteristics of the growers on this side, as he had noted them, as compared with those in the older country, were closely listened to and vigorously applauded. "My opinion of you American growers," said Mr. Wells, "is that you do go it, but you don't finish as you go." It was a surprise to many to learn that some of our most popular exhibition varieties, such as Col. Appleton, Merza and Dr. Enguehard, are very refractory subjects in England, it being impossible to bring some of them into bloom before January. Somebody ran up against the buzz saw, all right, when a Mr. Furst of California took occasion in the course of his remarks to introduce the Burbank question and to launch an ill-timed arraignment of those people in the East who had dared to criticize that gentleman, and his remarkable achievements. Little did the speaker dream of the volcano in close proximity to him in the person of Patrick O'Mara. All held their breath, for they knew what was sure to follow. Never did gladiator rush into the arena better equipped or more zealous to make mince meat of his adversary. Eloquent and convincing always, the gifted member from Jersey City outdid himself on this occasion. He declared that the unvarying judgment of horticulturists the world over is that Mr. Burbank does not measure up to the standards set for him by ignorant, subsidized writers, and protested against the placing of America and American horticulturists in an undue and humiliating light before

the world as endorsing the mass of untrue statements that had been so persistently circulated concerning Mr. Burbank's work. Nominations for officers for the coming year were made. For president, Harry Turner, A. L. Miller, A. L. Marshall and R. M. Schultz; for vice-president, Jos. A. Manda and Robt. E. Berry; for secretary, John Young and A. M. Henshaw; for treasurer, W. Rickards, J. K. Allen and A. H. Langjahr. Three nominees were named from which to elect a trustee for the unexpired one-year term of the late John Scott, and nine from which to choose three trustees for two-year terms. Election will take place at the December meeting.



JOHN HALL.

Secretary-elect American Nurserymen's Association.

(See last week's issue of Horticulture.)

MINNESOTA STATE FLORISTS' ASSOCIATION.

At the October meeting of this society, fourteen new members were taken in. Resolutions in memoriam of Governor Johnson were adopted. The society has joined the Minnesota State Horticultural Society as an auxiliary. Part of Wednesday, December 15, is set aside for our meeting at the annual meeting of the Horticultural Society.

L. S. Donaldson exhibited some nice Beauty, Killarney, Bride and Bridesmaid roses which scored 79 2-3, 93 and 82 1-2 points. S. Atlee, from Lakewood cemetery, exhibited some original vases, mission style, or which he was awarded an honorable mention.

President Wirth presented retiring Secretary Dysinger with a gold watch and chain, donated by the society for his efficient services rendered during the two years he had the office. A. Swanson read a very good paper on "The Employers' View of the Employee," and Mr. Smith defended very ably the employee's side, showing what could be done to improve the standard of the employee. Prof. Cady and S. D. Dysinger will read papers at the next meeting.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

Chrysanthemum night at this club has always been marked by a large attendance and the meeting Nov. 2d was no exception. The quarters at the Fort Pitt Hotel were gay with blooms and crowded with members.

H. P. Joslin and T. P. Langhans were appointed by the president to convey to Mr. Wm. Falconer the deep regret and sympathy of the club on the death of his wife and it was ordered that a floral tribute from the club be sent to the funeral. Notice was also taken of the funeral of the mother of E. C. Reinemann, another of our oldest and valued members, and the same committee acting in Mr. Falconer's case was instructed to send a letter of condolence to Mr. Reinemann.

Discussion occurred as to increasing the membership of the club, and it was finally decided that each member should try to gain at least one new one for the next meeting. The advisability of having a Horticultural Hall in Pittsburgh was also considered and finally the president appointed Wm. Falconer, P. S. Randolph, Samuel McClements and H. H. Negley a committee with power to add to its membership as seemed necessary to investigate and report upon some feasible plan.

The judges, Wm. Allen and Neil McCallum, awarded first prize for 12 chrysanthemums to T. P. Jenkinson, gardener for A. R. Peacock, second to N. C. Madsen, gardener for R. H. Boggs, and a second prize for chrysanthemum plant to Frank Crook, gardener for J. H. Park. There was a fine display from Phipps Conservatories at Schenley Park and North Side, and the Pittsburgh Rose & Carnation Co. and Randolph & McClements made good commercial displays.

The committee called attention to the high quality of the blooms shown by most of the exhibitors, and there was a discussion as to whether the large-sized blooms were really artistic and desirable. The prevailing opinion seemed they were not. John W. Jones, foreman at Phipps Conservatories, showed a single variety, Mrs. John Sligh, in a pot, loaded with flowers, that was a beautiful thing, and made a charming contrast to the unwieldy blooms of many of the old sorts.

H. P. JOSLIN, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the next regular club meeting on November 18, Miss L. L. Hetzer, Groton, Mass., will speak on "Jottings of a Journey Abroad." Ladies are specially invited to this meeting. Nominations of officers for 1910 will be made from the floor. Action will be taken in regard to life membership in the club. There will be a fine exhibit of late chrysanthemums and other seasonable flowers.

W. N. CRAIG, Sec.

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Obituary.

Lyman Arnold Budlong.

On Nov. 8th, at his home on Foster ave., Chicago, there passed away a man who had done much to elevate the calling of the scientific market gardener. His was a life crowned by success, not only financially, but because by his example one of the best callings has been dignified.

Lyman A. Budlong met death at his beautiful home after but three days' illness and though eighty-two years of age was still active in the business he had established and which is now under the management of his son, Jas. J. Budlong.

Born Dec. 22, 1829, Mr. Budlong spent his early years in his native town of Cranston, R. I., and received more than a common education for those times. After teaching for a few terms he came West where he located in that part of Chicago then known as Jefferson, which appealed to him and he has seen the prairies drained, cultivated, built up into residence districts and become a part of the city itself.

Lyman A. Budlong was the founder of the pickle industry and from a modest beginning fifty-two years ago, teaching in winter to get a start, his vegetable gardens now cover 800 acres. The present firm, L. A. Budlong Co., was organized in 1900, with L. A. Budlong, president; Joseph J. Budlong, his son, vice-president; and son-in-law, H. H. Chester, secretary.

He leaves four children, Jos. J., Edw. L., and Mrs. A. L. Jones of Chicago, and Mrs. H. H. Chester of Wheaton, Ill. His wife passed away five years ago.

James S. Grant.

I regret to announce the death of this talented gardener on September 10, at the Cape of Good Hope, at the age of 33. The deceased was at one time head gardener to the late Cecil Rhodes at Groot Schuur; but at the time of his death he was in the service of Mr. H. M. Arderne at The Hill, Claremont, Cape Colony. He was formerly employed in the orchid department of Messrs. Sander & Sons, St. Albans, England; from whence he emigrated to the Cape, taking service in the Municipal Gardens, Cape Town. He was an expert cultivator of orchids, and his death is greatly regretted.

F. M.

Hippolyte Millet.

A famous Belgian horticulturist, died recently in the person of H. Millet, of Tirlemont. Sixty years have flown since M. H. Millet assumed a leading part in the organization of the Agricultural Committee of that town; and he organized horticultural lectures and took part in them for 60 years, encouraging a taste for arboriculture, and for plants and fruit in general. Two months ago the deceased celebrated his 60th year of teaching, and his pupils and old students took that opportunity to present him with a testimonial of their affection and esteem.

F. M.

David Thomson.

Our English contemporaries give considerable space to obituary notes

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 80 Montrose Ave., Brooklyn, N. Y.

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FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

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SITUATION WANTED—By gardener and florist; German, single man; life experience in growing Carnations, Chrysanthemums, Christmas and Easter stock and bedding plants. Address R. S., care of W. Henning, Lock Box 73, Watertown, Conn.

of this eminent gardener who died on October 22 at Esk Bank, Scotland, at the age of 87 years. Mr. Thomson was the recipient of the highest honors during his life that could be conferred upon a man horticulturally, intellectually and socially a giant among his fellows. His influence and the inspiration of his life is indelibly written in the annals of British horticulture and in the hearts of the gardening fraternity.

Albert Reichsparr.

Albert Reichsparr of Richmond, Ky., died November 1. Mr. Reichsparr was up to about ten years ago employed by Nanz & Neuner, Lexington, following which he went into business as a florist in Richmond.

A. W. Steincke.

A. W. Steincke, 64, a Woodmere florist for 36 years, died of dropsy at his home, 2450 Fort St., W., Detroit, this morning. He was senior member of the firm of Steincke & Son.

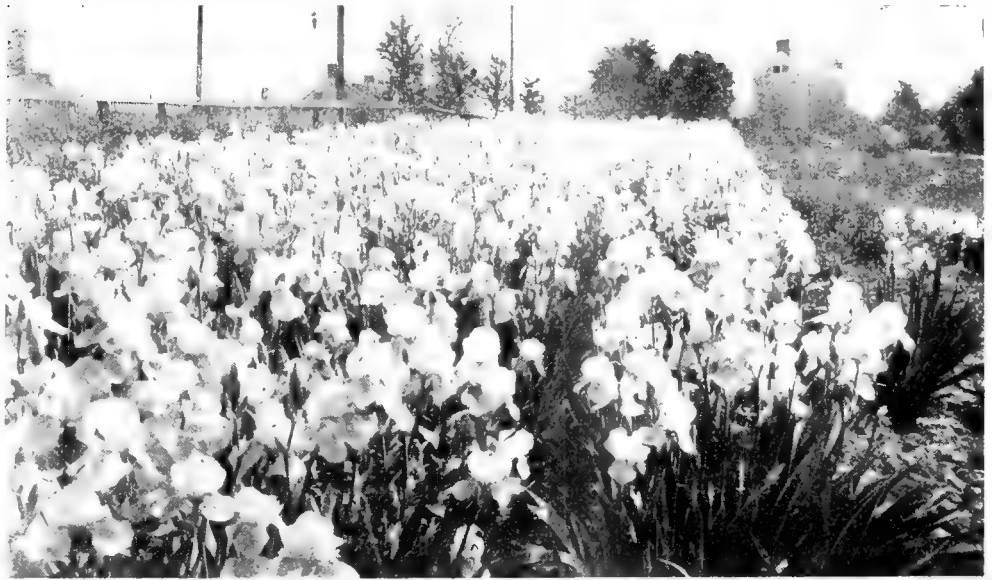
Mrs. William Falconer.

Mrs. William Falconer, wife of the superintendent of Allegheny Cemetery, Pittsburgh, Pa., died on November 2, following a stroke of paralysis.

DURING RECESS.

Pittsburgh Florists and Gardeners Go Visiting.

About forty members met at the Shenley Park greenhouses on the morning of Monday, November 1st, to look over the chrysanthemum display. The party was conducted through the spacious conservatories by Superintendent Burke and Mr. Jones, where many things of special merit were noted. The chrysanthemums were for the most part massed in solid blocks of color. Many of the standard as well as the newer varieties were represented by many very large flowers. Besides the large blooms, singles and pompons add to the attractiveness of the display. Amongst these The Hub, Lisco, and Mrs. John Sligh are particular favorites. One compartment is almost entirely devoted to oddities, amongst which are some very curious flowers. Mr. Jones called our attention to one in particular, which he said was presented by Elmer D. Smith, called *Reine du Japon*. Not one in the party could tell which type it belonged to. From Shenley Park the party was conducted to the establishment of Randolph & McClements, where a sumptuous spread awaited them. Randolph & McClements always do things right and this repast was no exception. Mr. Jones acted as toastmaster and called upon John Eader, who responded in his usual humorous, fatherly way, also on Israel Rosnosky, whose special forte is storytelling. After a hearty vote of thanks to Messrs. Randolph & McClements and their respective ladies, the greenhouses were inspected and were found to contain many examples of good culture; chief amongst which were the finest lot of crotons the writer has ever seen. The chrysanthemums are particularly fine, also everything grown in this mammoth plant. After more refreshment the party ended a profitable and enjoyable day by visiting the conservatories of H. C. Frick and H. J. Heinz.



IRIS PALLIDA DALMATICA

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Committee on Gardens of the Massachusetts Horticultural Society announces its list of awards for estates and gardens visited during the present year. The change in the schedule of prizes, by which medals have been offered instead of money, has worked well and the number of entries and visits made has exceeded that of previous years.

The prizes awarded are as follows:

George E. Barnard, Ipswich, favorably reported for the second year of the Hunnewell Premium; Col. Harry E. Converse and Andrew G. Weeks of Marion reported upon favorably for the first and second awards respectively in the first year's competition for the Hunnewell Premium.

Special prize for estate of one to three acres: 1st, F. W. Dahl, Roxbury.

Garden of Spring Flowering Plants: 1st, Langwater Gardens, North Easton.

Garden of Summer or Fall Flowering Plants: 1st, Miss E. M. Tower, Lexington; 2d, Geo. E. Barnard, Ipswich.

Garden of Peonies: 1st, Mrs. James McKissock, West Newton.

Garden of Irises: 1st, Henry A. Belcher, Randolph.

Rock Garden: 1st, Geo. E. Barnard, Ipswich; 2d, H. A. Belcher, Randolph.

Fruit Garden: 1st, F. W. Dahl, Roxbury.

Vegetable Garden: 1st, Geo. E. Barnard, Ipswich; 2d, F. W. Dahl, Roxbury.

Bronze medals were awarded to Robert Cameron, Cambridge, for superior cultivation of late flowering tulips; W. W. Rawson & Co. for sweet pea garden at Marblehead; Duncan Finlayson, Jamaica Plain, for fine condition of Weld Garden; Robert Rust, Pomfret, Conn., for fine condition of "Courtlands" estate; B. Hammond Tracy, Wenham, for gladiolus culture; and C. W. Parker, Marblehead, for "Redgate" estate.

Honorable mentions were awarded to Mrs. H. R. Foote, Marblehead, for rose garden; and W. H. Swanton, Newton, for estate.

WM. P. RICH, Secretary.

EXHIBITION AT RED BANK, N. J.

The Monmouth County Horticultural Society held its 12th annual show on November 3, in the Armory. It was in all respects an unprecedented success. James Kennedy, Wm. Dowlen, Wm. Turner, N. Butterbach, H. Kettel and George Hale were the giants in the chrysanthemum and decorative plant classes. In the cut flower classes competition was very lively. Wm. Turner, Wm. Dowlen, George Hale, N. Butterbach, Jas. Kennedy, Jas. Stevens and A. Bauer were prize winners. The same exhibitors were generally successful in the rose, carnation and violet competitions. The Totty cup was won by William Turner with Leslie Morrison, Rose Pickett, Mrs. O. H. Kahn, Merstham Blush, Pickett's Crimson and C. H. Totty as the best six novelties of 1909. Mr. Turner also won the Julius Roehrs prize for orchids and W. W. Kennedy & Sons received a certificate for display of commercial chrysanthemum plants.

EXHIBITION AT LONG BRANCH, N. J.

The Elberon Horticultural Society held its first annual exhibition on October 27-28. The gardeners on the many fine estates in the neighborhood supported the show by fine examples of their cultural skill and in all respects the affair was creditable and gratifying. Among the prize winners in the various classes of chrysanthemum plants and cut blooms were James Kennedy, Peter Murray, A. Bauer, W. R. Symons, Wm. Dowlen, W. W. Kennedy & Son, Peter Ewan, James Kennedy, Jas. Stevens and August Grieb. In the rose and carnation classes, Peter Murray, Wm. Turner, Wm. Bryan, W. R. Seymour, A. Bauer and Peter Murray were conspicuous.

We have before us a list of over one hundred visitors to the Chicago show from all sections, representing twenty different states of the Union and some from outside, which lack of room prevents our publishing.

Detroit Florists Have an Outing.

The Detroit Florist Club members have another pleasant visit to their credit this fall—this time to Mt. Clemens, over sixty participating. Every place called upon was found in prosperous and altogether admirable shape. At Robert Klagge's La Detroit rose was especially worth noting. At Breitmeyer's a little diversion was introduced by the presentation of a diamond pin to the retiring Club President, Wm. B. Brown, Mr. Phil. Breitmeyer being the officiating spokesman. At Van Boeslagers the potting shed was transformed for the time being into a banquet hall. Cabbage, pumpkins, lettuce, cucumbers, carrots, onions, beets, etc., took the place of the conventional floral decorations in the ornamentation of the table. The rest of the symposium was fully up to the established ideals.

A BENEFICIAL INSECT.

Commenting on a note which we reprinted from one of Prof. Surface's bulletins, a nurseman writes us as follows.

"We are as much 'up a tree' now as the doctor was when he sent the insect spoken of on page 526, Oct. 9th issue. We would like to know our friends when we meet them and so would like a description of the *Thalessa Lady*."

We referred our correspondent's inquiry to Prof. Surface, who has replied as follows:

Replying to your favor of the 15th, I beg to say that it is only reasonable that your correspondent should desire to be familiar with the beneficial insects and know the *Thalessa* mentioned in our Weekly Press Bulletin for September 21st, and kindly passed along by you on page 526 of your issue of October 9th. However, I would beg to call your attention to the fact that in that article, although condensed to the ultimate of condensation, I said, "The *Thalessa* has long antennae and a tail composed of three black hairs, like those of a horse's tail, each about three inches long. These form a long tube which it inserts in the holes made in trees, etc." This certainly gives a description of one of the characterizing features of the *Thalessa*, so that anyone would know the insect when he sees it. What other insect possibly is there having a "tail composed of three black hairs, like those of a horse's tail, each about three inches long!" This, then, is a distinct feature and other descriptions are not necessary. I could give a technical description which would be worse than useless, because it occupies space and print and be meaningless to almost all readers.

I might add that the insect in question belongs to the great order of Hymenoptera or that including the bees, wasps, ants, etc. This consequently means that it has four membranous wings, furnished with but few cross veins; the hind wings smaller than the fore-wings, and the mouth parts with jaws which bite, and a tongue for sucking. It also means that it is an insect of complete metamorphosis or, in other words, existing through four stages, viz., the egg, the larva or pupa, and the imago or adult. This, however, does not describe it any nearer than characterizing the great entomological order to which it belongs. I might further add that it belongs to the sub-order Terebrantia, which is marked by having two segments instead of one in the trochanters or basal part of the hind leg, and that the tip of the abdomen of the female is not furnished with a sting, but with this boring saw described as a long tail. This marks the sub-order. The family Ichneumonidae belongs to the group known as the Parasitic Hymenoptera, which includes most of our insects that are beneficial because parasitic upon other insects. This family is marked by the abdomen being constricted at the piece inserted normally back of the thorax or middle part; having several crossing cells and also a stigma or dark spot in the forewings and a certain vein crossing between two certain veins and two certain wing veins consolidated from the base. This now marks or characterizes the family Ichneumonidae. It is a large family, and to trace the description of the *Thalessa* to its genus would be-

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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

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SPRAYED

come quite technical and practically useless.

Trusting that this communication shows the brief description in our previous article to be sufficient to meet the needs of non-technical observers, I am, very truly yours,

H. A. SURFACE,
Economic Zoologist.

Harrisburg, Pa.

PUBLICATION RECEIVED.

The Massachusetts Agricultural College has recently issued an illustrated booklet which contains a large amount of interesting information about the institution—its object, entrance re-

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black ones too*

are easy to kill with

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quirements, courses of study, equipment, student life, opportunities for its graduates, etc. It is illustrated with about twenty-five views which indicate that at Amherst, a spot of unusual natural beauty, there is located one of the most progressive and adequately equipped educational institutions of New England. It is also evident that the college is thoroughly preparing young men for positions of trust and influence in the various agricultural vocations. One of the noticeable features about the institution is that this fall its entering class numbers 130, and that its total enrolment of four year students is 315; both these tendence of over 100 per cent. in the last six years. A copy of this publication may be secured by writing to the president's office, and asking for the M. A. C. Booklet.

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MOUNT KISCO FLOWER SHOW.

Of late years Mount Kisco Flower show has come to be looked on as one of the principal shows in its section. The cup offered by Mr. Baily, one of the leading tradesmen of the town for the 24 best chrysanthemum blooms attracts exhibitors from far and near. We had the pleasure of looking at the trophy and it certainly is worth coming a long way to win. It is valued at \$100 and it certainly looks its value. This year such high-class growers as Geo. Middleton, Tarrytown; Wm. Duckham, Madison, N. J.; Wm. Turner, Oceanic, N. J., and Ed. Jenkins and Thos. Proctor of Lenox, Mass., were all having a try at it. Geo. Middleton won out with 24 of the most magnificent blooms we have ever seen on the exhibition table. Wm. Duckham gave him a hard run, showing many of the newer and brighter colored varieties but the points he gained in this way were overbalanced by the exceptional size of bloom in the first prize lot. Ed. Jenkins was third with a neat, well-balanced lot of flowers. The other classes were competed for by the local growers and in most cases the competition was keen and close. Altogether it was a very pretty little

show and the gardeners in this section of Westchester county, New York, have every reason to be proud of their efforts for they are certainly forging to the front and many of them will be heard from at the larger shows in the near future. W. S.

CLUB AND SOCIETY NOTES.

The Columbus (Ohio) Florists' Club will have a dance on the night of November 18.

At the annual meeting of the Worcester County (Mass.) Horticultural Society the entire board of officers and trustees were re-elected.

At the meeting of retail florists called to confer with President Valentine of the S. A. F. at Chicago, Irwin Berterman acted as chairman and W. N. Rudd, secretary. The discussion of Mr. Valentine's recommendations was quite full and much enthusiasm was manifested. It was voted to leave the matter to a committee of five, with Mr. Valentine as chairman, to present a plan to the S. A. F. directors in Rochester next spring.

The attendance at the New York show for the five days was 30,734. The total attendance at the show held at the same place during November, 1908, was 8,411, the total this year being therefore over 3½ times as great. One of the gratifying features was the large number which came in private equipages. Another encouraging feature was the increased attendance from day to day, the Sunday's attendance being crowded between the hours of 1 and 5, being an average of over 2,800 an hour. The authorities of the museum placed every facility at the disposal of the management of the flower show, and much of its success is due to this.

The splendid display of orchids in the north hall was due to the work and zeal of the newly-formed orchid section of the society which had the arrangement of the program, in so far as it related to orchids, in hand. The orchid section deserves great credit for the results it accomplished.

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DECEMBER 11

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Wichita, Kans.—C. P. Mueller, palm house.

St. Charles, Ill.—S. V. Pike, one house.

Youngstown, O.—Fischer & Borklund, four houses.

Providence, R. I.—S. J. Toher, range of carnation houses.

North Lima, O.—E. E. O'Connor, range of vegetable houses.

Providence, R. I.—Westminster Greenhouses, one house 16 x 50.

Meriden, Conn.—Jos. A. Greenbacker, carnation house, 31 x 100.

Columbus, O.—Fifth Avenue Floral Co., three houses, each 100 ft. long.

Eugene, Ore.—F. B. Chase, two vegetable forcing houses, each 20 x 200.

Thompsonville, Conn.—Brainard Floral & Nursery Co., house 25 x 75.

Akron, O.—Ideal Greenhouse Company, four houses each 28 x 130. North Hill Greenhouses, violet house 9 x 90.

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800 3 " " " "	5.00	HAND MADE	
800 3 1/2 " " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " " "	4.50	48 10 " " " "	4.80
450 4 1/2 " " " "	5.24	24 11 " " " "	3.60
350 5 " " " "	4.51	24 12 " " " "	4.80
310 5 1/2 " " " "	3.78	12 14 " " " "	4.80
		6 16 " " " "	4.50

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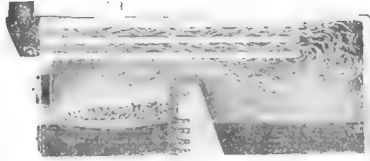
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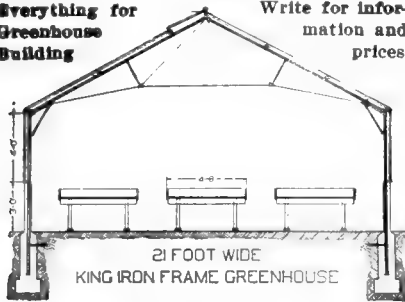
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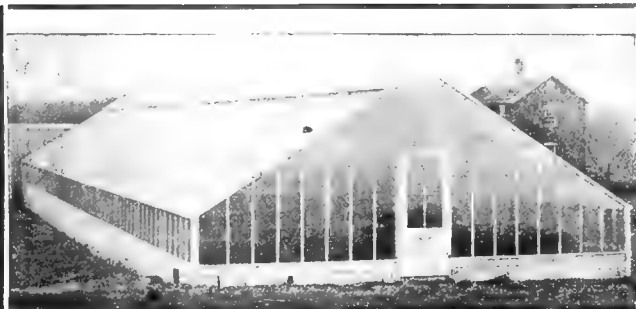
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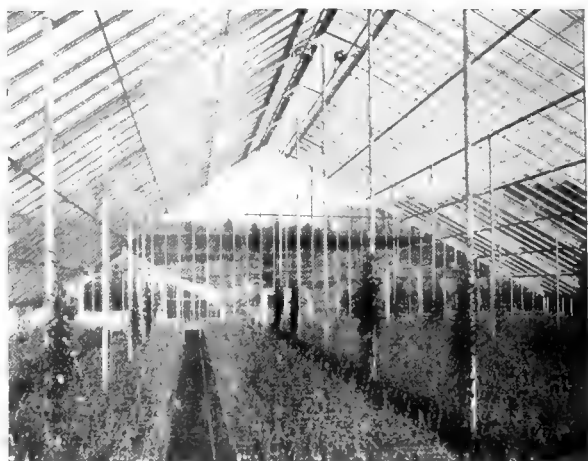
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HORTICULTURE

Vol. X. NOVEMBER 20, 1909 No. 21



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Notes From the Arnold Arboretum

The vines play an important part among the new introductions from China and particularly of the genus *Vitis* and its allies a large number of new species have been recently brought into cultivation. Some botanists and particularly the older include in the genus *Vitis* almost all the members of the family of Vitaceae or Ampelideae, but most of the more recent botanists recognize several genera, as we do at the Arboretum; this nomenclature will be followed in these notes, though the use of the name *Vitis* for all the species mentioned here cannot be considered incorrect nor unscientific.

The genus *Vitis* proper is easily distinguished from the other genera even in winter time by the bark separating in long and thin strips and fibres; here belong all the true Grape-vines with edible fruits. One of the most interesting of the new species is *Vitis armata* (*Spinovitis Davidi*) remarkable on account of the blunt prickles which beset the stems and leaf-stalks. The leaves are broadly ovate, heart-shaped at the base, slightly lobed and from seven to ten inches long; on their upper surface they are dark green, on the lower one bluish green and glabrous and change in autumn to a bright scarlet. A more vigorous variety with still more brilliant autumn coloring is var. *Veitchii*. An allied species is *Vitis Romaneti*; though not quite new, it is still little known in cultivation; its young stems and leaf-stalks are densely covered with bright purple bristles which give particularly to the young shoots a very striking and ornamental appearance. The leaves are broadly ovate, slightly lobed and from five to nine inches long, dark green on the upper surface and whitish tomentose beneath. *Vitis Pagnuccii* is the only true *Vitis* in cultivation which has leaves of two different shapes, undivided and three-parted ones on the same branch; the undivided leaves are ovate in outline, scarcely cordate at the base and slightly or sometimes deeply lobed; the divided ones consist of three oblong-ovate leaflets; on their upper surface the leaves are dark green, beneath bluish green and glabrous or nearly glabrous. Of the graceful Japanese *Vitis flexuosa* two new Chinese varieties have been introduced; of these var. *chinensis* has ovate leaves, only about two inches long, slightly or not at all lobed and dark green and glossy on their upper, purplish on the lower surface, while in the var. *Wilsoni* the leaves are of a metallic deep bronze green on the upper surface and bright purple beneath.

The other genera are distinguished from *Vitis* by the close, not shredding bark, the generally corymbose inflorescence and the petals expanding in flowering, not falling off as a whole. The characters by which the several genera are distinguished from each other are more minute and cannot be well explained in a few words. Of the genus *Ampelopsis* the most ornamental and handsome of the new species are *Ampelopsis leoides* and *A. megalophylla*; the former has pinnate leaves from five to nine inches in length consisting of five or seven stalked ovate-oblong and serrate leaflets, purplish when unfolding, later dark green on the upper, whitish and glabrous on the lower surface. The second species, *Ampelopsis megalophylla* has even larger, doubly pinnate, Aralia-like leaves from two to three feet long; the leaflets are in shape and color similar to those of the former species, but much larger. Another new species, *Ampelopsis Delavayana*, has the leaves three-parted; the leaflets are oblong-ovate, from three to four inches long,

dark green on the upper surface, paler and glabrous beneath.

A very handsome and graceful vine is *Cissus Thomsoni* with digitate leaves similar to those of the Virginia Creeper, bright purple when unfolding and retaining the purple color on the under surface during the summer; the five oblong leaflets are serrate and from three to four inches long. Another new species is *Cissus repens* (*Vitis repens*) with entire or only slightly three-lobed leaves, broadly ovate in outline, glabrous and about three inches long.

Of the genus *Psedera* the very handsome *P. Henryana* has already been described in the issue of July 24. Another new species *Psedera sinensis* has partly simple, only three-lobed leaves, broadly ovate in outline and from four to five inches in length, and partly digitate leaves with three to five leaflets, dark green on the upper, pale bluish green and slightly tomentose on the lower surface.

Tetrastigma obtectum (*Vitis obtecta*) also has digitate leaves consisting of three or five leaflets, oblong-ovate in outline, the middle one longer and from three to five inches in length.

Alfred Rehder.

British Horticulture

SOME NEW ENGLISH APPLES, PEARS, STRAWBERRIES, ETC.

Our fruit lists have been so extensively added to of late years that one hesitates to mention the new varieties, still there are a few undoubted acquisitions among the many introductions. The new culinary apple, Rev. W. Wilks is one of these. It has received an award of merit from the Royal Horticultural Society. The parents are Ribston Pippin and Peasgood's Nonsuch. The writer has observed 8-10 fruits on maiden bushes this season. It is being distributed by J. Veitch & Sons. Of apples of recent introduction I may mention Star of Devon, a fine variety of moderate size and a late keeper.

Veitch & Sons offer a new apple—Langley Pippin, raised by crossing the famous Cox's Orange Pippin and Mr. Gladstone; a very valuable acquisition. In season in August and September. It received an award of merit from the R. H. S.

Peach Duke of York is a cross between Nectarine Early Rivers and Peach Alexander, and ripening at the same time as the last named. It has the distinct flavor of the nectarine and is a free stone variety. Pear Santa Claus is a fine variety in season at the end of December. In form the fruit bears a resemblance to Doyenne du Comice. The variety obtained an award of merit from the R. H. S. Pear Blickling is a late variety raised by Mr. Allan, gardener at Gunton Park, Norfolk, who on January 12 of the present year, was awarded a first class certificate for the variety. The fruit ripens in January.

The famed raisers of strawberries, Messrs. Laxton, offer some new varieties. Progress is the result of a cross of British Queen with Latest of All. Messrs. J. Veitch & Sons offer a novelty in strawberries in Alake, raised by Mr. Seden at their Langley nursery. The fruit is very large, more or less wedge shape, of a bright scarlet color. The flesh is also scarlet.

Fredrick Moore

HORTICULTURE

VOL. X

NOVEMBER 20, 1909

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on right lines.

It is with much satisfaction and with sanguine hopes for the future of our horticultural exhibitions that we learn of the efforts being made in various

places to break away from the conventional monotony of the old-fashioned flower show and introduce novelty in arrangement and studies in adaptability and harmony in color effect in plant and flower grouping. This movement is in line with the views frequently expressed by **HORTICULTURE** in considering ways and means whereby public interest in flower shows may be reawakened and retained and we are glad to see that our efforts have not been futile. Rochester with its 17,000 paying visitors, Chicago with its record breaking attendance and Boston in its last spring's success give good evidence that the right spirit is active among the show managers and that the innovation of presenting a perfect and harmonious picture instead of a motley assemblage of individual contributions has the elements of popularity in it which make for success. And then they are distinctly educational from an artistic standpoint—something much needed by the people generally and also by the florists themselves.

We noticed, a few days ago, in the window of a prominent flower store
"If the blind lead the blind" in a certain city a spray of the tiny blossoms of the pompon "Baby"

chrysanthemum in a little vase and, alongside of it, a specimen bloom of one of the largest market varieties—the former labelled "The chrysanthemum of our grandmothers" and the latter marked "The chrysanthemum of today." The florist who displayed them would have the public believe that the difference between the two represented the line of development since our grandmothers' days and he probably believed it himself, in ignorance that the one represents fully as modern a development as the other and comes from a distinct ancestry. The term "our grandmothers' days" in somewhat indefinite. Some of us have grandmothers still alive and healthy; others have to trace back many years to find when their grandmother lived. But, at least, it is a fact that about fifty years ago they were having chrysanthemum shows in London where blooms grown four or five to a plant were shown, from four to six inches in diameter, and many new sorts were being constantly raised and imported to Great Britain and to America. We know of one writer who, in describing some of the chrysanthemum novelties of 1862, remarked that "very little if any improvement has been made in the past ten years." Our florist friend should revise his chronology.

Another instance of willingness
An assumption without foundation to distort history in order to cite sensational comparisons may be seen in the window of a florist who is displaying an absurd composition of pompon

chrysanthemums packed tightly in a conical bunch, the different colors arranged in rings alternately with carnations and inscribed "The style of 1870." Our memory goes back beyond 1870 and we recall something of the kind built of "everlastings" and "princess pine" by the country people, and exposed on the Christmas stands at the market and that is as near as our friend comes to facts as to the 1870 style of floral work. The truth is that there were in Boston and elsewhere in 1870 floral artists—and a few of them are still alive—who have few rivals in the whole line of present-day florists; who could take a pile of Bonsilene, Safrano, Malmaison or Marechal Niel roses, with heliotrope, jasmine or similar material and choice ferns and in a few minutes tie them into bouquets of such lightness, symmetry and grace as would make the eyes of their successors of the present day stick out in wonder. And the people who bought flowers in 1870 knew a good thing when they saw it as well as do those of 1909. It is incontrovertibly true that in attaining the beautiful floral effects which are at the disposal of the public today the grower has done the lion's share. Beyond making use of the abundance of improved material which the producer has provided for him we do not see that the average floral artist of the present time shows any particular advancement over his predecessor. We admit that they are very often brilliant business men, shrewd buyers and clever traders but we should like to see some of the young men in the retail trade get out and rub up against one another in friendly emulation and rivalry at the flower shows; study artistic effect in form and color combinations and contrasts; educate themselves in art as is being done by those engaged in professions artistically far below that of the florist. The barouche load of floral monstrosities so often seen in the van of a funeral procession sufficiently shows what the florist business of today is unfortunately compelled to answer for.

Allamanda Williamsii

Editor HORTICULTURE.

This useful Allamanda mentioned in Mr. Stewart's interesting article in your last issue was raised by Samuel Sarple, head gardener at Dallam Tower in Westmoreland, England. I have several times seen the original plant and believe it is still in existence. *A. Williamsii* is not a hybrid but a seedling from *A. Hendersonii*. Mr. Sarple's stock was acquired by the one-time well-known Upper Holloway firm of B. S. Williams & Son and introduced as stated by Mr. Stewart in 1891.

W. H. Craig

North Easton, Mass.

Epidendrum decipiens



The subject of the illustration is a handsome *Epidendrum* from Columbia, the flowers of which resemble the well-known *Epidendrum radicans*. The sepals and petals are orange scarlet and the lip bright orange, beautifully marked with carmine.

The plant was described by Lindley as long ago as 1853, but is still rarely seen in cultivation. It is altogether a better plant than *E. radicans*, the flowers being of a better color and the whole plant of a more compact and neater habit. It grows about three feet tall including the flowers, never roots along the stem like *E. radicans* and is a very free grower and bloomer. It propagates itself quite freely from the nodes along the flowerstems if these are left on long enough.

The plant from which the photograph was taken was collected by Mr. Carillo of the firm of Carillo & Baldwin and is now in the collection of Mrs. B. B. Tuttle of Naugatuck, Conn.

M. J. Cope

Naugatuck, Conn.

Next week the Thanksgiving Turkey has the right of way on our regular publication day. We go to press Wednesday, remember, and all communications—advertisements or reading matter—must consequently reach us one day earlier than the usual limit, for appearance in next week's paper.

THE EXHIBITIONS

DOBBS FERRY SHOW.

The 9th annual chrysanthemum exhibition of the Dobbs Ferry, N. Y. Horticultural Association, was held in the Village Hall, Dobbs Ferry, on Nov. 5 and 6. The number of exhibits and the general quality of the exhibition excelled any of this society's previous shows.

Because of lack of accommodation, the society limits competition to the villages of Hastings, Dobbs Ferry and Irvington. This may appear narrow, but anyone attending these exhibitions would readily see that this provision is necessary, as every available corner of the building was packed.

This society is very much to be commended on its large heartedness and public spirit. The gardeners work hard and compete freely in a spirit of friendly rivalry, for comparatively small prizes which are donated by the various trades people and residents. The hall is given gratuitously by the village authorities for the occasion and the gate receipts are turned over wholly to the Dobbs Ferry Hospital. On the last evening of the show, the flowers and vegetables are all sold, first by private sales and then what is left at 10 o'clock, is disposed of by auction. Considerably over \$200 was realized by this means.

The individual blooms were not as large as those seen at a number of other exhibitions, but the competition was keener, and many close decisions had to be given by the judges. From the standpoint of groups and tables of plants, the showing was much more creditable than at most other places. On the second day the table decorations and centrepieces were a very attractive feature.

Considerable excitement prevailed over the gold medal offered by Lord & Burnham Co., for the best 12 blooms of chrysanthemums in 4 varieties, 3 of each. The lots were very evenly matched, but John Brunger, gardener to Mr. I. N. Seligman, won out with a nice even lot of fresh flowers. For the Thorburn prize for best collection of vegetables, the tussle finally simmered down between Robt. Boreham and Jos. Dunbar. Mr. Boreham winning out. The judges were Jas. Stuart and Thos. Aitchinson of Mamaroneck, and Jos. Mooney, Hastings.

We should like to publish the complete list of awards but lack the room. As a summary we might say that in the list of first prizes Thomas Lee's name appears once, Henry Kastberg five times, Robert Boreham twice, John Brunger four times, John Goff six times, Wm. Hutchings twice, D. MacRae once, W. Howe three times, H. Kelling six times, M. Flanagan once, C. Wilson once, H. Heath three times, John Holgerson, Thos. Johnstone, J. Thomas, J. Bradley and F. Bradley, once each.

PASADENA FLOWER SHOW.

The second annual flower show of the Pasadena Gardeners' Association was far and away ahead of that of last year in every respect. Among the florists exhibiting were Howard & Smith, who put up a handsome booth. One of the most interesting exhibits was the botanical display of P. D. Barnhart, containing 107 varieties of tropical flowers, shrubs and fruits from nearly every country on the face of the globe, duly classified and labeled to attract the attention of visitors.

CHRYSANTHEMUM SHOW AT GARFIELD PARK, CHICAGO.

(See Cover Illustration.)

A two weeks' chrysanthemum show is on at the Garfield Park conservatories and Manager J. Sells and his assistants are kept busy till 10 p. m. each day showing visitors about and answering their questions. Mr. Sells, who has spent 35 years in the West Side Park System, says, they would like to see these special fall exhibitions more generally patronized by the public. 6,000 chrysanthemums are in bloom now, comprising fully 100 varieties.

These exhibits, one at this time, one at the holidays and one at Easter are a source of much pleasure and education to the public. In addition to the chrysanthemums, the house of economic plants just now shows lemons in fruit, olive trees, Japan plums in bloom and many other interesting trees. The big domed palm house has also two large banana trees in fruit. The orchid house is showing a good variety of these fantastic blooms.

Mr. Sells is to be congratulated on his success this year, particularly considering the unfavorable conditions under which he has labored. The new roof to the large dome is completed and the other work has been temporarily patched up to wait until spring. The repairs on the conservatories will cost in the neighborhood of \$75,000.

MILWAUKEE FLOWER SHOW.

From Nov. 11 to 14 the Milwaukee Florists' Club gave their first large flower show in the auditorium. The effect was that of a summer garden and winding walks, bordered with sod and multitudes of flowers produced an effect that pleased and fascinated the thousands of spectators. The long galleries around the arena were festooned with wild smilax and from the ceiling were hung huge baskets in which were placed electric lamps. A novelty was a forest of oaks, maples, etc., which were placed in front of the stage making a good contrast for the vases of cut flowers arranged in front of the boxes. The usual eccentricities in the way of green roses, grafted chrysanthemum plants, etc., and a cotton plant in bloom, attracted a wondering crowd. The opening night, despite a rain storm, was largely attended. During the four days musical programs were rendered each afternoon and evening by the First Regiment band of Chicago.

Special features were an exhibit by Milwaukee Park Board and a model back-yard by the Milwaukee Florists' Club. This club has for president C. Dallwig, vice-president G. Rusch, secretary E. Oestreicher, treasurer J. G. Heitman and with their various committees have made a great success of their flower show. Special premiums were offered by Kroeschell Bros., A. Deitsch Co., J. Moninger Co., Poehlmann Bros. Co. and Peter Reinberg of Chicago, Morehead Mfg. Co., Detroit, and others, in addition to those offered by the Milwaukee firms.

SHOW AT ALBANY, N. Y.

The first annual flower show given under the auspices of the Albany Florists' Club and the Hospital Corps, Second Battalion, Tenth Regiment, opening at the State Armory, Albany, N. Y., Thursday afternoon, November 11, and continuing until Sunday evening, was a grand success. The immense drill room was transformed into a garden of beauty. The Second Battalion Band rendered many selections at the evening sessions.

Large bay trees and palms from the executive mansion conservatory were attractively arranged on either side of a bower of evergreens which covered the entrance. Many decorated booths placed on each side of the hall by a number of the florists of the city, added much attractiveness. Groups of palms covered the center on either side of which were numerous tables of flowers and flowering plants.

Trained chrysanthemum plants from Thos. K. Talbot, gardener for Mrs. Dean Sage; fruit display by W. E. Drislane Co.; chrysanthemum blooms from Ed. Jenkins and A. J. Loveless, Lenox, Mass., were among the notable exhibits.

F. A. Danker took first prize on a beautiful display of orchids, on brides' bouquet, decorated mantel and table decoration. Fred Goldring was first on large vase of 50 chrysanthemums and on 12 pots of grand Easter lilies. Louis Menand was first with a fine collection of evergreens in pots. Henkes Bros. also had a splendid group of boxwoods, etc. The Rosery won first for bridesmaids' bouquet, second for mantel decoration and for table decoration and first for basket of chrysanthemums. The mantel decoration by W. E. King was also very handsomely arranged. The show was under the direction of F. A. Danker, chairman; E. F. Meany, secretary; and Louis Menand, Sr., treasurer.

WORCESTER COUNTY (MASS.) EXHIBITION.

The exhibition on November 10-11 inst. was an excellent one. Of the local florists, there were represented H. F. A. Lange, E. W. Breed of Clinton, L. C. Midgley, H. F. Littlefield and C. D. Mackie. There were large displays of chrysanthemums, roses, carnations and palms. Among the gardeners Messrs. Wm. McAllister and G. De Boer of Whitinsville and Mr. Russell of Upton were creditably represented.

NOTES.

The annual flower show at R. F. Gloede's conservatories, Evanston, Ill., last week, attracted thousands of visitors.

Detroit, Mich.—Breitmeyer's floral establishment held their annual exhibition of chrysanthemums and other flowers Nov. 11, 12 and 13.

The Georgia-Carolina Fair at Augusta, Ga., had a very creditable horticultural department in which P. J. Berckmans Company, Boatwright Floral Co. and Balk's Nursery were represented by interesting displays.

ST. LOUIS HORTICULTURAL SOCIETY.

Last week's show at the Coliseum was the best effort of this society since its organization. Exhibits were fine and attendance better than usual. The Park and Water Works Departments helped to fill the hall with fine displays. A large Japanese pagoda by F. C. Weber attracted much attention. Ostertag's fisherman specialty, described in another column, was also very effective. F. H. Weber had a beautiful table of orchids surrounded by fine decorative plants. Other important displays were by Sanders' Nursery, Theo. Miller, C. Young & Sons Co., Koenig Floral Co. and Ellison Floral Co. During the week Chas. Knopf staged his new carnation admiration, A. C. Brown staged Sangamo and his new seedling Clara Mae. J. A. Peterson showed plants of his new begonia *Glory of Cincinnati*. F. R. Pierson sent his new *Nephrolepis* and H. A. Dreer *Acanthus montanus*. Special mention should be made of J. F. Ammann's Ivory and John Steidle's White Killarney.

Names of first prize winners included Wm. Schray & Sons Co., J. A. Peterson, Koenig Floral Co., Vaughan's Seed Store, C. Young & Sons, E. G. Hill Co., W. J. & M. S. Vesey, H. J. Weber & Sons Nursery, Chicago Carnation Co., J. F. Ammann, Poehlmann Bros. Co., John Steidle, Theo. Miller, Sanders' Nurseries, F. H. Lemon and A. C. Brown. F. R. Pierson Co. were awarded a bronze medal for *Nephrolepis superbissima*. Peter Reinberg won the Hess & Culbertson loving cup for 100 Am. Beauties, W. J. & M. S. Vesey the Mermod, Jaccard & King cup for 100 chrysanthemums with variety Robinson. The Shaw gold medal was not awarded. The prize for seedling carnations not yet disseminated went to Chicago Carnation Co.'s Conquest and Sangamo. The best 25 white carnations was Miss Sara Hill by W. J. & M. S. Vesey, the best 25 pink, May day by J. F. Ammann, and the best 25 red, O. P. Bassett, by Ammann.

On Wednesday night the society tendered a banquet to the visiting florists and the ladies were entertained by a theatre party by the St. Louis ladies. On Thursday the St. Louis Florist Club entertained the visitors at their meeting and at lunch at the New Knickerbocker Cafe, after which all were taken to the flower show in a big touring car.

The show was in charge of Otto G. Koenig and Fred Meinhardt and they did their work well. The judges were I. C. Bertermann of Indianapolis, J. T. Temple of Davenport, Ia., and R. F. Tesson. There was a large number of visitors.

THE ST. LOUIS SHOW AS A LADY SAW IT.

Mr. Editor:—We have just returned from the St. Louis Flower show, and thinking that you might like to know something about it from a visitor's point of view, I am taking the liberty of sending you these rambling comments, hoping that they may prove of interest to you, and to the readers of HORTICULTURE. We arrived early Tuesday morning, and going almost directly to the Coliseum, found it even then in festive array, the flag decora-

tions of the recent horse show having been left up, and they added quite considerably to the gala appearance of the auditorium, which is very fine indeed for exhibition and show purposes, and the light is excellent; indeed, you are hardly aware that there is a roof overhead, as it does not seem to exclude a single ray of light.

The floor of the auditorium was laid out in a handsome geometric design, the several figures being outlined with sod, and the space within covered with tanbark, forming a very pretty background for the groups of plants and vases of flowers.

The central figure was a huge circular basin encircled with a border of crotons, Pandanus Veitchii, ferns, etc., and a fine fountain in the center, the exhibit of the Water Works department.

The Park department contributed two large groups of foliage plants, and the Missouri Botanical Garden a group of "Bible Plants," and, speaking of this group, while making a call on Mr. Gurney, at Tower Grove, the dear old gentleman gave us a very interesting account of how he gathered this collection of plants, which took something like sixteen years to complete, and told of their wonderful significance, giving one instance, that of the almond tree, the "flower of hastening," and proving by chapter and verse that wherever mentioned in the Bible, the idea of "haste" was connected with the reference to the Almond.

The display of roses was very fine, at least, they looked good to me; there were some very fine white and pink Killarneys, sent by Poehlmann Bros. Peter Reinberg won a beautiful silver cup for the best 100 Beauties and W. J. & M. S. Vesey the silver cup offered for the best 100 chrysanthemums.

Among the exhibitors from outside St. Louis I noticed the following: E. G. Hill Co., Fred. H. Lemon Co., and The Chas. Knopf Co., of Richmond, Ind.; W. J. & M. S. Vesey, Ft. Wayne; J. A. Peterson, Cincinnati; Chicago Carnation Co., Joliet, Ill.; H. A. Dreer, Phila., Pa.; Peter Reinberg and Poehlmann Bros., Chicago, Ill.; J. F. Ammann, Edwardsville, Ill.; and A. C. Brown, of Springfield, Ill., who has on exhibition one new carnation, "Sangamo"; also, D. S. Brown, of Kirkwood, Mo., has a table of cut orchids, cattleyas, cyripediums, etc.

There were several booths showing table and mantel decorations, which were after the same old stereotyped style, a mass of flowers, suggesting nothing, but, just simply a mass of flowers. Why do our good people persist in making a "hodge-podge" of what might, and ought to be, a beautiful picture? The Schisler-Corneli Seed Co. and the St. Louis Seed Co. each had a booth tastefully decorated with autumn leaves and greenery, and fine displays of seeds, bulbs, etc. F. C. Weber showed a very pretty Japanese booth of bamboo, decorated with Japanese lanterns and foliage plants, and this booth was to have been used on Wednesday afternoon, for the serving of tea, at which the Japanese ladies accompanying the visiting Commission, were to have assisted, but unfortunately, the Baroness was taken ill on the car and had to be taken back to her hotel, and of course her ladies could not leave her. The most unique

of all the booths was gotten up as a fisherman's tent, of poles covered with autumn branches and decorated with all sorts of "finny" things, nets and rods, dried specimens of fish, and a big hornet's nest. There were eight covers laid, and the place cards were paper plates, each having a colored caricature of some member of the St. Francis Hunting & Fishing Club of St. Louis. In the center of the table was a deep pool, a fountain, and live fish and frogs sporting in the water; ferns, bulrushes, lycopodiums and other green, and tiny electric lights, making a very pretty and attractive scene. The chairs were rustic, and each had a fisherman's duck coat hanging over the back; a clever idea cleverly carried out and reflecting much credit on the exhibitors, the Ostertag Bros. Another novel feature was a fruit and flower design, entitled "Fall," the work of Theodore Miller, which received one of the special prizes, and it was a most artistic piece both in conception and execution. On a tall easel was a large, broad plaque of dull bronze-yellow plush, and in the center a large cluster of apples, pears and California grapes, some of the latter trailing down one side of the easel, which latter was decorated with two fine sprays of yellow chrysanthemums, ferns and autumn leaves, tied with pale bronzy-yellow ribbon; it was a most harmonious combination of color and a "picture" at the same time. It brought to mind the beautiful and artistic arrangements of flowers that I saw in Hamburg and other European cities some two years ago, and which I wish might become popular here. In addition to the flowers, there was a fine display of fruits, apples, peaches, etc., which looked most tempting, especially when that "all gone" feeling had me in its grip.

Among the visitors, I noticed Pres. Valentine, who stopped for a day on his way home from Chicago; also, W. N. Rudd, S. S. Skidelsky, Geo. Asmus, W. W. Coles, Mr. and Mrs. Chas. Maynard, Mr. and Mrs. Geo. A. Kuhl, Mr. Karens, and T. Mellstrom, of St. Albans, Eng. Mr. Jo. Hill, who staged the exhibits for the E. G. Hill Co. and the Fred. H. Lemon Co., was accompanied by his wife and Mr. and Mrs. Gaar, Mrs. Hill's father and mother; Judge and Mrs. Vesey and Miss Margaret Vesey were also among the exhibitors, and received as usual, a fair share of the honors.

The St. Louis ladies of the L. S. A. F. entertained with a matinee party on Wednesday afternoon, and in the evening, Mrs. Fred. Meinhardt gave a very pretty dinner at the Missouri Athletic Club for the visiting ladies. At the same time and place, the St. Louis Florists' Club entertained with a "stag" dinner for the visiting florists, and on Thursday afternoon there was a meeting of the Club, and a "smoker."

The weather was ideal until Thursday evening, when there was a regular "down-pour" of rain, which caused a very considerable falling-off in the attendance. A very pleasant feature was the serving of light refreshments in the interests of several charities, the Neighborhood House, the Home of the Friendless, and others, and there were concerts both afternoons and evenings, all of which served to make it seem more like a pleasant social

gathering than just a mere "show."

We left for home on Friday morning, so I do not know anything about the financial success of the show, and can only hope that it will be all that could be desired.

H. C. P.

RHODE ISLAND HORTICULTURAL SOCIETY.

The annual chrysanthemum show of this Society was held at Providence, November 2 and 3. The attendance was unusually good. One of the features of the exhibition was a display of Japanese evergreen planting and miniature fancy bedding by William Appleton. It attracted much attention. John A. Macrae was one of the largest exhibitors. Warwick Greenhouses, Farquhar Macrae and others were also represented.

HYMN OF THANKSGIVING.

(The Cavalier.)

We thank Thee that the sun and rains
Have brought the harvest to our fields,
That we have guerdon for our pains,
With health and hope that plenty yields.

We thank Thee for the touch of love
That has upheld us on our road;
Has pointed to far heights above,
And led to paths before untrod.

And, while we thank Thee for the past,
With bended knee and hymn of praise,
Grant differing hand clasp hand at last,
That peace, not discord, crown our days.

AN IPSWICH GARDEN.



The cut at the head of this article represents the flower garden on the beautiful estate of George E. Barnard, of Ipswich, Mass. The site was formerly useless marsh and worthless old pasture, filled with brush. An elevation of about forty-five feet, finely wooded with oaks, maples, chestnut, spruce and pines, forms a beautiful feature of the landscape, fronted by a pond-like sheet of water formed by a bend in the Ipswich river. Sloping to water's edge is a fine piece of lawn adorned with numerous flower beds.

This flower garden at the time of filling in was well drained and covered over with loam and a few years' work brought it to a high state of cultiva-

tion. The walk shown in the picture is three hundred feet long, with several cross walks. The walks are edged with yellow Snap-dragons and White Peonies, and on the left is a lily pond and rockery planted with rhododendrons, azaleas, lilies and other suitable plants.

The balance of the estate, greenhouses, rose garden, etc., is in keeping with the flower garden. The owner and Mr. Critchly, the gardener, have well demonstrated what can be accomplished by patience, skill and money well spent. The Garden Committee of the Massachusetts Horticultural Society recently visited the estate and were much impressed with its beauty.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The November meeting of this organization at Horticultural Hall was attended by a goodly number, including quite a few ladies, and all were well repaid in the very interesting address made by Miss Hetzer who had been announced as the lecturer of the evening. Miss Hetzer's subject was a recent European tour, via the Mediterranean, Italy, Germany, France, Great Britain and Ireland, and her notes by the way, horticulturally and otherwise, were pertinent and sprightly. Nature's exuberance and man's enforced economies in land and material throughout portions of Europe, the grandeur of the German forests, Alpine scenery and flora, the gardening of Versailles, the floral riches of Hampton Court, the scarcity of insects but abundance of mildew and the luxuriant foliage characteristic of English summer scenery were all entertainingly portrayed and the lecturer was rewarded with a rising vote of thanks. Miss Hetzer is at the School of Horticulture at Groton, Mass.

On the exhibition stage there were a number of interesting displays. Backer & Co., showed two seedling carnations—a vase of each—one a very handsome white, known as 96 C, and the other named Red Prince, brilliant scarlet. H. F. Woods showed a sport from Timothy Eaton chrysanthemum, softly flushed with pale pink and of much more pleasing form than the parent, carrying fewer petals. W. N. Craig had several of his pretty seedling single chrysanthemums. Wm. Thatcher showed a plant of Adiantum polyphyllum—a lovely species. H. Eichholz of Waynesboro, Pa., sent flowers of a pink sport from carnation Enchantress

which he has named Washington; nothing alarming. There were several other vases of carnations and roses from local members.

Various routine reports and other matters were duly disposed of. An invitation to visit George E. Buxton and August Gaedeke at their respective establishments in Nashua, N. H., on December 11 was gleefully accepted. In accordance with request of Chair-F R. Pierson a committee consisting of Messrs. F. Welch, D. Finlayson and Thos Roland was appointed to represent the Club at a preliminary session to be held in Boston in connection with the S. A. F. Flower Show project. January 27 has been selected as the date for the annual banquet of the club.

The life membership amendment was defeated. It was announced that Mr. E. H. Wilson would give a stereopticon lecture on plant collecting and the flora of Western China at the December meeting.

Officers were nominated as follows: President Wm. Downs, J. W. Duncan; vice-president, W. J. Kennedy, Peter Miller; treasurer, Ed. Hatch; secretary, W. N. Craig; executive committee, W. E. Fischer, J. Heurlein, Ralph Curtis, C. J. Harvey, Thos. Pegler, H. A. Stevens, J. P. A. Guérineau, C. E. Holbrow, H. E. Fiske, G. W. Butterworth, Peter Fisher.

AMERICAN CARNATION SOCIETY.

Miami Floral Co., Dayton, O., registers new carnation Miami Queen (Mrs. Lawson × G. H. Crane). Color cerise pink, size 3 to 4 inches. Habit compact, no surplus grass. Strong healthy grower. Blooms early and continues all the season. Calyx strong and does not burst.

A. F. J. BAUR, Sec.

HORTICULTURAL SOCIETY OF NEW YORK.

The regular monthly meeting of this society took place in the Academy Room at the American Museum of Natural History on Wednesday, November 10th, 1909, at 4 p. m. In the absence of the president, Mr. Wood, Patrick O'Mara acted as chairman during the business portion of the meeting, Mr. Scutwick capably filling the chair when Mr. O'Mara was called away by a business engagement. Seven new members were elected to the society, this making a total of twenty-one new members since the opening meeting in October. The society desires all interested in horticulture, whether professionals or amateurs, to help the cause along by uniting themselves with the society. The annual dues are only \$5.00, and if we can increase the membership sufficiently a great deal can be accomplished for horticulture here.

The exhibition just closed was a pronounced success. This opened on the evening of the 3rd with a private view to members of the society, the Museum, and affiliated organizations, and was open free to the public on Thursday, Friday and Saturday from 9 a. m. until 10 p. m. On Sunday it was open from 1 to 5. Over 30,000 people visited the exhibition, over 11,000 of these on Sunday afternoon. It is desired next fall to give an exhibition larger than the one just closed, and to carry this through successfully it is necessary to increase considerably the membership of the society. The society has at its disposal in the American Museum of Natural History unexcelled facilities for holding exhibitions of the largest

order, and only an insufficiently large membership holds back the society. Let all those interested put their shoulder to the wheel and see what can be accomplished.

At the conclusion of the business meeting an interesting paper was read by W. H. Waite, one of the most successful growers of the chrysanthemum. Considerable discussion followed and many points of interest were brought out. Responding to questions, Mr. Waite described the method employed in creating the large bush plants which he had shown at the late exhibition. Answering other inquiries, he went into detail describing soils necessary for growing the chrysanthemum, and other features of successful culture. The flowers used by Mr. Waite in illustrating the chrysanthemum types were passed around for examination, creating much interest, and a hearty vote of thanks was extended to him for his admirable paper. Thanks were also extended to Mr. Southwick for a display of chrysanthemums made by him.

The secretary exhibited a series of photographs of the exhibition. These were of groups and individual plants, all prize winners.

FLORISTS' AND GARDENERS' CLUB OF R. I.

Robert Johnston was the unanimous choice for president of the Florists' and Gardeners' Club of Rhode Island at the annual meeting of the organization. The other officers elected were: Vice-president, E. A. Appleton; secretary, William E. Chappell; treasurer, William Hill; executive committee—James Hockey, Cornelius Hartstra and Harry Clark; librarian, James Dillon.

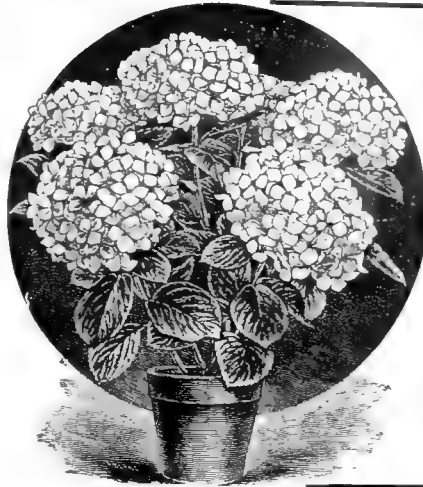
The meeting was called to order at 8 o'clock, with former President James Hockey in the chair. After the reports of the various officers had been made adjournment was taken for refreshments. The rest of the evening was given over to a discussion of the best way to arouse more enthusiasm in the club and of acting more in conjunction with the Rhode Island Horticultural Society. Nearly all of the members took an active part in the debate, but no really satisfactory solution of the problems was reached.

It was voted to hold the annual supper of the club on Monday evening, Jan. 17, 1910. A committee consisting of E. A. Appleton, Alexander Macrae and Harry Clark, was appointed to make arrangements.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held in Glencove, Nov. 12th. The treasurer, E. J. Brown, read a very satisfactory report in connection with the exhibition held Oct. 28 and 29. Vice-President J. Elmslie presented President Everett, with two silver cups won at the fall show. One, presented by Mrs. Smithers, has to be won three times. The other, presented by Mrs. H. L. Pratt, was won outright. President Everett, before resuming the chair, showed his appreciation in a neat little speech. Recording secretary Gant was presented with the Troy cup. This cup has to be won three times before competition for it closes.

As usual there was a miniature show at this meeting. In the points com-



HYDRANGEA Hortensis Otaksa

Splendid field grown stock, suitable for six inch pots, 3 to 4 leads, in prime condition to force for Easter.

\$3.50 per dozen \$25.00 per 100

HENRY A. DREER

714 Chestnut Street

PHILADELPHIA,

PA

LOOK! LOOK! LOOK!

A Chance of Your Lifetime. Never to Return.

HYACINTHS, single in separate colors, per 1000, \$12.00.

HYACINTHS, to name, Gertrude, Gigantea, Moreno, Robert Steiger, Roi des Belges, Baron van Thuyll, pink and white, Grandeur a Merveille, Madame Van der Hoop, La Grandesse, L'Innocence, Paix de L'Europe, Grand Maitre, Czar Peter, King of the Blues, Lord Derby, Queen of the Blues, Regulus. All Hyacinths are true to name and of fine quality, per 1000, \$22.00.

TULIPS, single and double in separate colors per 1000, \$4.00.

Artus.....\$7.00 per 1000
Belle Alliance....." "
Cardinal's Hat.....5.00 "
Duchess de Parma.....5.00 "
Rose Blanche.....4.00 "
Yellow Prince.....5.00 "
La Candeur.....8.00 "

CROCUS, striped, white and purple, \$1.50 per 1000

A fine stock of BOXWOOD, in all sizes and shapes, specimen EVERGREENS
Pot grown DEUTZIA LEMOINEI, and LILACS, now ready for delivery.

F. W. O. SCHMITZ,

Prince Bay, N. Y.

petition Mr. Wilson was awarded 95 for Lorraine begonias, V. Cleres 84 1-3 for chrysanthemums, Paul Reul 83 1-3 for chrysanthemums, H. Gant 77 1-3.

W. H. MACKENZIE, Cor. Sec.

AMERICAN ROSE SOCIETY.

At a meeting of the Executive Committee held in New York city in the American Museum of Natural History, the preparations for the next spring's exhibition was the topic for consideration and the date according to the book calls for the fourth Wednesday in Lent, which comes this year so early that various parties who were interested in exhibiting raised the question, "Why do you have it so early, we cannot be sure of a crop," so upon deliberation the date was fixed for the Wednesday, 16, Thursday, 17, and Friday, 18, of March, 1910.

This exhibition is to be held under the auspices of the New York Horticultural Society. This Society is one of the best supported in the East, and we look forward to having many of the large private estates take an interest in the show. The place of exhibition being a public hall of the very highest class, the admission is free and a large attendance is properly expected of all classes of city people.

The matter of securing a list of handsome prizes is being looked after and the society asks the support of every one interested, not only in roses, but floriculture in general. The second edition of the schedule is issued and has been mailed to the members of the society and others as far as it

was practicable to do. The Bulletin for 1909 will be mailed during Christmas week.

BENJAMIN HAMMOND, Sec.
Fishkill-on-Hudson, N. Y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Philadelphia.—No. 227-1, Jap. Ref. deep yellow shaded bronze. Exhibited by Elmer D. Smith & Co., Adrian, Mich. 87 points, commercial; 85 points exhibition scale. Certificate.

—Seedling, Jap. Inc., light pink. Exhibited by Heck Bros., Wyomissing, Pa. 86 points, commercial; 85 points, exhibition. Certificate.

New York.—Seedling, Jap. Inc., pink. Exhibited by Heck Bros., Wyomissing, Pa. 85 points. Certificate.

Cincinnati, O.—Arlee, Single, Terra cotta, 3 to 4 inches. Exhibited by Elmer D. Smith & Co. 87 points. Certificate.

—Red Light, Single. Scarlet maroon, Elmer D. Smith & Co. 77 points.

—Clorinda, Pompon. Bronze. Elmer D. Smith & Co. 89 points. Certificate.

CHAS. W. JOHNSON, Secretary.

The following officers were elected at the fortieth annual meeting of the Southwestern Iowa Horticultural Society: President, S. W. Snyder, Centertown; vice-president, C. E. Deuel, Washington; secretary, Wesley Green, Davenport; treasurer, F. O. Harrington, Williamsburg.

TO UNITE THE RETAIL FLORIST TRADE.

A paper read at a special meeting held in Chicago, Nov. 8, by J. A. Valentine, President S. A. F.

We are here in response to a call issued by me as president of the S. A. F. to see whether some plan can be devised whereby that society can render such definite and valuable service to the retailer as will make its membership necessary and attractive to him.

Prior to the last annual convention of the society, I was impressed with the fact that while there were nearly 1,000 florists enrolled, this number included very few retailers who were not also owners of greenhouses. The men who were exclusively retailers had not, as a class, found membership in our society attractive to them. I therefore recommended to the society, that, instead of carrying on its work as heretofore, in one large assembly room, the work should be divided into sections which should hold their sessions in different rooms and that a section should be organized and devoted to the interests of the retailer. This recommendation met with the unanimous approval of the convention, and it was ordered that a plan should be prepared and submitted to the directors of the society at their next meeting. That meeting will be held in Rochester, N. Y., in mid-Lent which will bring it early in March.

In order that the suggestion submitted might be complete and satisfactory to the retailers, it seemed wise to have them get together, so that their needs could be formulated and it would be certain in advance that the plans adopted would meet with the approval of the people it was desired to interest. To determine whether I was right in thinking that the retailers would be glad to join a movement of this sort, I wrote nearly 100 letters to such store men as I knew or had previously had dealings with. I made no attempt to make the list complete or exclusive. It was simply to see what response would come from a fairly representative list. The letter sent out stated the action taken at the summer convention of the S. A. F. with regard to the proposed retailers section. It asked for endorsement and the privilege of quoting the recipient as favoring it in a general way. The letter further asked for suggestions. The response was so prompt and so general as to leave no doubt that the movement would have cordial support. I have had but one unfavorable reply.

Probably there is not a retailer present today who has not, at some time, been worried as to how he could properly effect a delivery at some distant point. Most of us have had some unpleasant experience resulting from selecting a name haphazard from the Florists' Directory. Such a man may have gone out of business. He may have a place largely devoted to vegetables and treat the flower business as an insignificant side issue, or he may be one of those cautious people afraid to hand out the flowers unless he can take in the coin at the same time.

Then there comes the matter of discounts. Some say 15 per cent. should be allowed—others say 20 per

RAMBLER ROSE LADY DUNCAN.



The accompanying picture is reproduced from a painting of this beautiful rose which is now being offered for the first time by the Eastern Nurseries. As a garden ornament or an

Easter forcing plant, it will take rank with any and all of its predecessors. The flowers are very large and beautifully colored. The foliage is rich and heavy, denoting the influence of the rugosa blood.

cent. and I find that still others say 25 per cent. Some florists will remit as soon as they get a bill; the majority take 30 days and some settle when they have no other pressing need of the money. The detailed directions for delivery often make it necessary to send long and expensive telegrams. The florist in a small town may gladly fill an order for a dollar's worth of carnations and think himself properly paid at 50 cents per dozen while the man on Fifth avenue will feel that the expense of a long delivery would make an order for \$1 a nuisance, and that high rents compelled him to charge three times as much per dozen as the village florist.

We will have accomplished a great deal if we can form an organization that shall include one or more representatives in every city of the country who can be depended on to properly fill orders from any other member at a rate of discount fixed in advance. We must devise some plan where the prompt payment for such orders is made certain. We must have a telegraph code that is practical, concise and comprehensive. The members should be kept as fully posted as practicable concerning the prices prevailing in different localities. I think we will find no serious difficulty except in the two points which may be said to involve the character of the members, viz.: Will the recipients of an order fill it properly and will the sender pay for the goods?

Of these two questions, the former is the more difficult of solution, but I believe it will be solved. Any member should see that his self-interest demands the proper filling of orders intrusted to him by another florist. We must not allow the adoption of any rule that would compel members to send their orders to any given florist. This would be fatal. Each member must feel that the securing of orders is assisted by membership in the organization, but that the retention of patronage depends upon the

quality of the service rendered. An offender may not attend the annual conventions, but he may be sure others will do so, and that they will exchange notes and get a line on how orders are being filled by different people. If service were bad enough, it might well be the occasion for expulsion, but it would not need to be very bad before the majority of members would know about it. We should encourage our customers to make inquiries from their friends and to report on all deliveries, but, in considering such reports, we should bear in mind the disposition of some people to complain in season and out of season.

The matter of credits is difficult at first sight; but seems certain of solution. In the first place, make membership cost enough so that it will be too valuable to lose for a trifling bill. In the next place, make the annual dues enough so that the organization can afford to exercise close supervision in the matter of accounts. I have given considerable thought to this particular feature and am inclined to think that the following plan is practical and equitable. In addition to a fixed membership fee, let the member or members from each city pay into the treasury a sum based on the population of their city. If there is only one member from the city, he should pay it all; if a second member comes in from that city he should pay one-half of the population fee which should then be refunded to the first member—and so on—no matter how many come in from that one city. The total population fee in the treasury from that city should remain constant, and each member from that city should have paid an equal amount.

Let the money so paid be invested and the interest from such investment be combined with the membership fees to form a guarantee fund. Should any member fail or refuse to pay a bill due to any other member for a specified time, say 60 days, let this bill be

XXXX HOLLY

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. **Laurel Festooning**, 6 cents a yard. **Boxwood Wreaths**, \$6.00 to \$18.00 per dozen. **Bush Laurel**, 50c. **Princess Pine Festooning**, \$6.00 per 100 yards, made all round. **Leucothoe Sprays**, \$7.50 per 10,000; \$1.00 per 1000. **Dagger and Fancy Ferns**, \$1.25 per 1000. **New Crop Galax, Bronze**, \$1.50 per 1000. **Green**, \$1.00 per 1000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

A Full Line of Florists' Supplies. All Kinds of Insecticides.

Seasonable Cut Flowers

Chrysanthemums and Carnations, in all Standard Varieties. **Roses—Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids, Lilles, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus.**

Henry M. Robinson Co., Boston, Mass.

15 Province Street and 9 Chapman Place.

Telephones—Main 2617-2618. Fort Hill 25290.

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION.

presented to the proper committee and, if it is found correct, paid from the guarantee fund, thus consuming the membership fee of the delinquent member and severing his connection with the association.

In case the account is a disputed one it should be provided that the debtor may pay to the arbitration committee the amount claimed and await its decision as to what amount is justly due; in such a case his membership would not be affected. It should be provided that the guarantee of the association would not hold good except when the non-payment of accounts was promptly reported. Otherwise a florist might be badly delinquent in a number of places at the same time and the association know nothing about it until some creditor became alarmed and then the bills would pour in from all directions.

The secretary of the retail section should be the secretary of the S. A. F. and the membership fee and dues of the section should include the fees and dues of the parent society, so that members would only have to make payments to one person and confusion would thus be avoided. The membership fee of the section should also include the price of the telegraph code book of the association. By buying in quantity, the cost of the code book could be very materially reduced. While the matter of deliveries seems the most vital single question to be taken up there are countless questions which could be handled at the annual conventions and which would make the sessions interesting and profitable. Everyone of us should be interested in the best ways of at-

tending to the details of the business.

What method do you use in keeping track of credits and guarding against dead beats?

At times of rush how do you handle your orders and how do you prevent confusion in handling cards to go with orders?

What do you pay your clerks? What methods have you found effective to awaken their interest and insure their loyalty? Do you know where I can find a good man for my store? Do you believe it pays a retail florist to advertise and what methods are the most effective?

I will venture to say that there are few of you who have not had these questions asked of you. Get together every summer, gentlemen, and discuss them. They will not be settled. Such questions are always alive and unanswered, but it will be a dull man who will not derive some benefit from talking such things over with other men in his line of work. If tailors and milliners can meet and co-operate in turning the attention of the public toward certain materials and certain styles, why may not the florist make his influence felt in support of his ideas of the beautiful and the artistic?

ELBERON HORTICULTURAL SOCIETY.

This society held a meeting on Nov. 15th. The new officers took their places for the coming year: Peter Murray, president; Wm. Seymour, vice-president, Reginald Corey, secretary; Peter Ewen, treasurer; Alex. Fleming, recording secretary. Anthony Bauer made a report on the chrysanthemum

show held in Long Branch. He said it had been a great success from every standpoint, especially from a financial point. The competition for points for the year ended at the last meeting, Peter Ewen, first, gets the Rickards Bros' cup; Wm. Seymour the Society cup; Frank Logan, the Seawarty cup and James Kennedy the Ewen medal. For summer exhibits for members having no greenhouses, A. Grieb got the first prize.

ALEX. FLEMING, Rec. Sec.

The recent show in Lenox, Mass., is reported to have been very successful financially.

WANTED

Every **FLORIST**

AND

Every **GARDENER**

in every town of every state in the Union
to use

Aphine

Make it your

"BUY" WORD

SEND FOR DESCRIPTIVE CIRCULAR

George E. Talmadge
Madison, N. J.

Bobbink & Atkins

Nurserymen and Florists

Rutherford, - N. J.

BOXWOOD AND EVERGREENS

Boxwood, Pyramid:

2½ ft. ...	\$1.00 each	4½ ft. ...	\$3.50 each
8 ft. ...	2.00 each	5 ft. ...	4.00 each
8½ ft. ...	2.50 each	5½-6 ft. ...	5.00 each
4 ft. ...	3.00 each	6 ft. ...	6.00 each

Boxwood, Bush:

12-15 inches.....	.25 each
15-16 inches.....	.35 each
18-24 inches.....	.50 each
24 inches.....	.75 to \$1.00 each
Larger sizes, \$1.50, \$2.00 & \$2.50 each	

We have a large quantity and fine assortment of small EVERGREENS for Window Boxes and Vases:

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes.

A Visit to our Nursery will convince you we have the quality that gives satisfaction.

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana	Niobe
Paul Weber	Prof. Wolters
Raphael	Simon Mardner
Vervaeana	Louis de Kerchove
Mme. Van der	Deutsche Perle
Cruysen	John Llewellyn
Dr. Moore	Mme. Jos. Ver-
Mme. Cam. Van	vaene
Langehove	Memoire de L'Van
Paul de Schryver	Houtte
Sigismund Rucker	and others.

Dia.	In.	Doz.	100	Dia.	In.	Doz.	100
8-10,		\$3.50	\$25	15-16,		\$9.00	\$75
10-12,		4.50	35	16-18,		12.00	90
12-14,		6.00	45	18-20,		25.00	200
14-15,		7.50	60	20-24,		36.00	300

Order early to save heavy express charges; impossible to ship by freight in cold weather.

We still have a few thousand

AZALEAS

to offer at import prices in the best commercial varieties; also Bay and Box Trees, Euonymus, Eurya Latifolia, Araucaria, Asparagus, Crotons, Eucas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus and Small Ferns for Dishes in best sorts at lowest wholesale prices.

Wholesale Price List on Application.

A. LEUTHY & CO.
PERKINS ST. NURSERIES
ROSLINDALE, BOSTON, MASS.

OUR SPECIALTIES

Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Areca Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitman, Boston, Amerpohl, Scottii, Todeoides. Begonia Gloire de Lorraine, 6 inch, by the thousand. Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
PHILADELPHIA, PA.

Stamford Telephone 1130 Stamford.

New York Telephone 7254 Mad.

FERNWOOD NURSERY

STAMFORD, - CONN.

New York Office, 50 W. 30th Street

Having been unable to supply all the Boxwood asked for, from our first consignment, we beg to announce that we have received an additional 120 cases of first class Boxwood from 12 inches to 8 feet, and are now ready for shipment.

Also have now ready for Thanksgiving, Begonia Gloire de Lorraine, Cyclamen and a large assortment of Boston and Scotti Ferns, Dracaena Massangeana, Araucarias and Palms, all of which are the very best.

Our Prices Are Reasonable. Come and see them and be convinced.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD
N. J.

LORRAINE BEGONIAS

A. N. PIERSON, Inc., Cromwell, Conn.

FULL LINE OF PALMS AND FERNS

Send for Catalogue

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Beasera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots. ...	\$25.00 per 100	6 in. pots. ...	\$75.00 per 100
5 in. pots. ...	50.00 "	7 in. pots. ...	100.00 "

THOMAS ROLAND, NAHANT, MASS.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also fine list of

Christmas and Easter Plants

Also others. Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N.Y.

JAPANESE LILIES
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR.
PLANTS
BAMBOO STAKES

Ready for Immediate Shipment

Lilium Giganteum,	6 to 8 in. (400 per case)	\$50 per 1000.
" "	7 to 9 in. (300 ")	75 " "
" "	8 to 10 in. (250 ")	100 " "
" "	10 to 11 in. (150 ")	150 " "
Lilium Multiflorum,	6 to 8 in. (400 ")	35 " "
" "	7 to 9 in. (300 ")	50 " "
" "	9 to 11 in. (180 ")	100 " "

The above prices are f.o.b. N.Y. for selected quality, and all Horseshoe Brand bulbs. Advice from the Japan office states that the above Multiflorum are absolutely free from any disease but that there is only about 30% single crowns. This, however, should not be a disadvantage to the grower who forces them for cut flowers.

If you wish bulbs for Cold Storage purposes or for delivery during 1910 from here, they should be ordered at once. Write us.

RALPH M. WARD & CO.

12 West Broadway, New York.

Seitaro Arai,
Yokohama, Japan



A few Horseshoe Brand Cases of Paper White Grandiflora size 14 cm. up left at \$10.00 per case of 1000 bulbs, in good condition.

Not how cheap
But how good

FRENCH BULB PROSPECTS.

Japan writes that large sizes will be very scarce next year and that the prices have already advanced considerably.

We learn that the south of France was visited by a very severe wind and hail storm, which ruined many hyacinths and will cause considerable loss to many growers. The loss to horticultural farmers is estimated at about two million francs. The storm came just after the growers had planted their hyacinths. There is every prospect that French bulbs will be higher next year.

Ghent writes that azalea prices will advance slightly and that the supply of certain varieties extensively used here will be limited.

NEWS NOTES.

Grand Rapids, Mich.—The Grand Rapids Vegetable Growers' Association, the new organization representing firms including the Grand Rapids Greenhouse Co. and others, has taken possession of its central depot in the Crittenden building on S. Market Street.

W. A. Keeling of the Roebeling conservatories at Trenton, N. J., writes us that the varietal name of that pure white Dendrobium Phalaenopsis with the "unpronounceable and unspellable terminal" as referred to by our Philadelphia correspondent last week, is "Hololeucium." While on the subject we might go further and correct the typographical error as to Mr. Keeling's native place, which should read Bradford, York, (Eng.) and not Bradford "Forks."

COLD FRAME MATS

Burlap	\$1.25	\$14.00 doz.
Water Proof Duck	2.00	22.00 "
Straw Mats	1.75	20.00 "

W. ELLIOTT & SONS,
42 Vesey Street . . . NEW YORK

Our Annual Special

will be issued

DECEMBER 11

The Best and Most Far Reaching
Advertising Medium of the Year.
Has Highest Purchasing Power
Behind It.

**A Business Proposition Pure
and Simple.**

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

Given Away If Taken Away— At Once

To clear our benches for work, we will literally give away 50,000 stock mums at \$2.00 per 100; \$15.00 per 1000; 10 of a kind in 100 lots allowed, 25 of a kind in 1000 lots allowed. List—

GOLDEN GLOW, OCTOBER FROST, ROSERIE, BERGMANN, POLLY ROSE, PACIFIC SUPREME, WHITE CLOUD, MONROVIA, ALICE ROOSEVELT, ALICE BYRON, TOUSET, ENGUEHARD, EATON, WHITE BONNAFFON, APPLETON, WINTER CHEER, BAILEY, WHITE DEAN, NONIN, GOLDEN WEDDING, CLAY FRICK, INTENSITY, BLACK HAWK, and many others—all the staple and newer ones.

SPECIAL:—**GOLDEN EAGLE**, best new yellow, and **LYNNWOOD HALL**, best late white, \$3.00 per 100.

I. M. Rayner
GREENPORT, N. Y.

In ordering goods please add "I saw
it in HORTICULTURE."

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons.

HOLLY

Single case, \$5.00. Two cases, \$9.00. Five or more cases, \$4.00 a case.

MISTLETOE

Extra fine berried. Very fine. Per lb., \$0.50; 10 lb. lots, \$0.35 per lb.

LAUREL WREATHS

12 in. Frames.....\$18.00 per 100.

HOLLY WREATHS

Per 100.....\$12.00 to \$15.00.

BOXWOOD. \$0.15 per lb. in case lots of 50 pounds. Each case contains full 50 lbs.; usually the case weight is included and you pay Boxwood value for old lumber. Watch out.

VELVET POINSETTIAS. We have secured the agency for New England for Anderson's Velvet Poinsettias. Price with leaves and long stems, \$2.50 per dozen. With short stem and no leaves, \$1.75 per dozen.

LAUREL ROPING, 5c per yard. **HARDY FERNS,** best quality ever offered. **GALAX,** \$7.50 per case of 10,000; per 1,000, \$1.00. **PRINCESS PINE,** 8c per lb. **PARTRIDGE BERRIES** and **GLOBES.** **CHRISTMAS BELLS.**

SEND FOR QUOTATIONS ON ANYTHING YOU NEED NOW OR FOR THE HOLIDAYS

N. F. McCarthy & Co.

Wholesale Florists

TEL. MAIN 5973 and 5974.

84 Hawley St., Boston

ORCHIDS IN BLOOM

ROEHRS, Rutherford, N. J.

HEACOCK'S PALMS

Areca Lutescens	Each	
6 in. pot, 3 in. pot, 24 to 26 in. high.....	\$0.75	
6 in. pot, 3 in. pot, 26 to 28 in. high.....	1.00	
7 in. pot, 3 in. pot, 30 to 32 in. high.....	2.00	
Cocos Weddelliana	Per 100	
2 1/2 in. pot, 8 to 10 in. high.....	\$10.00	
2 1/2 in. pot, 10 to 12 in. high.....	15.00	
Kentia Belmoreana	Each	12
5 in. pot, 6 to 7 lvs, 18 in.	\$50.00	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.	1.00	12.00
7 in. pot or tub, 6 to 7 leaves, 34 to 36 in.	2.50	30.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00	
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00	
Made-up Kentia Forsteriana	Each	
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50	
7 in. pot, 4 in. pot, 36 to 38 in.	3.00	
9 in. tub, 4 in. tub, 42 to 48 in.	5.00	

JOSEPH HEACOCK CO., Wyncote, Pa.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/4-in. stock, \$35.00 per 100.

WHITMANII

2 1/4-in., \$40.00 per 1000; 3 1/4-in., from Bosch, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000,
Cash with order.

FRANK OECHSLIN

911 Quincy St., - - CHICAGO, ILL.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

ORCHIDS! ORCHIDS!

Arrived in first-class condition, C. Mossiae.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Gigas (Hardyana Type), C. Gigas Sanderiana, C. Gaskelliana, C. Speciosissima, C. Chrysotoxa, Oncidium Fuscum, Odontoglossum Luteo-purpureum, Miltonia Vexillaria, Miltonia Roezlii and many more. Write for prices.

LAGER & HURRELL, SUMMIT N. J.

BEFORE YOU THINK Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

**We have just what you
—NEED.**

William W. Edgar Co.
WAVERLEY, MASS.

SURPLUS BULBS

	Per 1000
Narcissus, Double Van Sion Selected.....	\$11.00
Tulips, Single, Canary Bird.....	7.00
" Double, La Candeur.....	10.00
" " Rex Rubrorum.....	13.00
" Late, Gesneriana.....	8.50
Snowdrops, Elweis Giant.....	4.50

Write for list of other surplus bulbs.

W. E. MARSHALL & CO.

147 W. 23rd St. - - - New York.

NARCISSUS BICOLOR VICTORIA

The finest of all the bicolor varieties. We offer a grand lot of mother, or double-nosed bulbs. These bulbs are exceptionally fine, as indicated by the number of bulbs in a case, cases containing 1,250 each.

Full case lots, 1,250 bulbs, for \$25.00; less quantities, \$2.50 per 100.

Narc. Paper White Grandiflora.

Selected bulbs, 14cm. and up, 1,000 to the case, \$11.00; less quantities, \$1.50 per 100.

Narcissus Golden Spur.

Double-nosed bulbs, \$2.25 per 100, \$20.00 per 1,000.

Narcissus Princeps.

Double-nosed bulbs, \$1.25 per 100, \$10.00 per 1,000.

Narcissus Emperor.

Double-nosed bulbs, \$2.00 per 100, \$17.50 per 1,000.

Narcissus Poeticus.

\$0.75 per 100, \$5.00 per 1,000.

Chinese Sacred Lilies.

Bundle of 120 bulbs for \$4.20.

Tulips.

	Per 100.	Per 1000.
Chrysolora	1.00	7.50
Pottebakker White	1.25	10.50
Yellow Prince	1.00	8.50
Murillo	2.00	17.00
Rex Rubrorum	1.75	15.00
Rose Blanche	1.25	9.00
Bizards, mixed	1.00	7.50
Golden Crown	.85	6.50

Hyacinths.

Fine Named, \$4.00 per 100, \$35.00 per 1,000. Separate Colors, \$2.50 per 100, \$22.50 per 1,000. Miniature, or Dutch Romans; Finest Named Sorts, \$2.00 per 100, \$18.00 per 1,000.

Gladiolus America.

The peer of all gladioli. Forces easily, and is the most profitable variety for that purpose. Exquisite soft lavender-pink—about the same color as a cattleya, \$4.00 per 100, \$35.00 per 1,000.

Allium Neapolitanum.

65 cts. per 100, \$4.50 per 1,000.

Snowdrops.

Single, 75 cts. per 100, \$6.00 per 1,000.

Freesia refracta alba.

French-grown bulbs, mammoth size, \$1.25 per 100, \$9.00 per 1,000.

Lily of the Valley.

Our finest Perfection grade. New importation ready in November. Case of 2,000 pips, \$26.00; less quantities, \$14.00 per 1,000.

Spirea Japonica.

\$5.00 per 100.

Queen Alexandra.

New pink spirea, \$3.00 per dozen; \$20.00 per 100.

All of the above-named bulbs now ready except where otherwise noted. Complete list of bulbs in wholesale list, sent free on application.

F. R. Pierson Co.
Tarrytown-on-Hudson
NEW YORK.

HERE'S WHERE THE BULBS FLY

Just to dispose of a late importation. Your chance. Better take advantage of a good thing

Last week we sold half our surplus. This offer may not appear again.

HYACINTHS

	Per 100	Now	Catalogued
Double Named	\$4.50	\$5.50	\$7.00
Single Unnamed	2.35	2.50	
Double Unnamed	2.35	2.75	

SINGLE TULIPS

	Per 100	Now	Cat.
LaReine	\$.90	\$1.00	
Yellow Prince	.80	1.00	
Duc van Thol, Scarlet	1.35	1.60	
Superfine Mixed	.85	1.00	

DOUBLE TULIPS

Imperator Rubrum	\$2.25	\$2.60
Murillo	1.75	2.00
Rex Rubrorum	1.65	1.85
Superfine Mixed Early	.80	1.10
Chinese Lilies, per basket		\$1.10

SINGLE NARCISSUS

	Per 100	Now	Cat.
Princeps Maximus	\$.80	\$1.00	
Empress	1.60	1.75	
Emperor	1.80	2.00	
Golden Spur	2.00	2.25	
Poeticus, Pheasant's Eye	.50	.65	
Poeticus, Burbirdgil	.50	.65	

DOUBLE NARCISSUS

Albo-pleno Odorato	\$.50	\$.65
Von Slon, True Daffodil	1.00	1.25
Von Slon, Double Nose	1.80	2.00
Mixed	.60	.75

Single Jonquills	.60	.75
Chinese Lilies, per basket		\$1.10

Not less than 50 bulbs of each kind.

To secure these prices must mention this paper

JAMES VICK'S SONS, ROCHESTER, N. Y.

Grand Clearing Sale of Bulbs **BELOW COST**

All A No. 1 Bulbs, No Rubbish

7500 DUTCH HYACINTHS, SINGLE

Rose, Red, Dark Red, White, Pure White, Blue, Blush	100	1000
White, Dark Blue and Yellow	\$2.00	\$15.00

14,000 TULIPS, SINGLE

Lac Van Rhijh, Cardinal's Hat, Souvenir Bizarre, Jocabia		
Van Beierau, Canary Bird, Ma Plus Amable, Couleur		
Ponceau, Purple Crown, Breeders Mixed, and Parrots		
Mixed	.60	5 00

8000 CALLAS

Calla Ethiopica; Bulbs 3 inch circumference	2.50	20.00
---	------	-------

7000 NARCISSUS

Paper White grandiflora	.60	5.00
-------------------------	-----	------

Berrydale Experiment Garden ROUTE 1, BOX 54
Holland, Mich.

Iris Pallida Dalmatica

No florist or landscape-gardener can afford to be without a good stock of this beautiful hardy plant; it is beautiful in the border, and beautiful in floral decorations; easy and strong grower. In color, a beautiful shade of lavender, similar to the darkest shades of Vanda coerulea.

\$12.00 per 100; \$100.00 per 1000.

J. A. PETERSON

McHenry Ave., Westwood,

CINCINNATI, O.

Seed Trade

"Future" Peas and Beans.

Reference was made in last week's issue to probable advance in peas and beans of the 1910 crop, or, as we might say with our canner friends, "future" peas and beans, and, while the heaviest advance will be on these lines, many others will be in the ascending scale. It is but repeating a well-known fact to say we have not had an average yield of peas or beans since 1905 or 1906. In fact the average for the last four years has been below 50 per cent., or to place it in the vernacular of the trade, or at least growers, it has been under three-fold. The question of yield or "fold" has heretofore been discussed in HORTICULTURE. Five-fold on peas has been the standard for a quarter of a century or more, and while this may have represented average yields when established by general consent of the growers, it has not been a fair estimate for at least ten years. One of the largest producers of this line of goods last year struck an average of the yields for the past ten years, and found it below four-fold, and thereupon changed their standard to four-fold. The wisdom of this move has been amply vindicated the present season, and has enabled this concern to make more liberal deliveries on their contracts than most of their competitors, with one or two possible exceptions. It looks as if all of the growers will have to recognize the four-fold standard as the proper one, and far more just to their customers as well as themselves ultimately.

Effect of the Decreased Averages.

As prices have been based on a five fold yield, this decrease of 20 per cent. will have to be taken note of, with a consequent new basis of prices. To advance prices without changing the standard of yield would be an injustice to their customers, a policy which would reflect scant credit on the growers' sense of fairness, hence there must be a very complete readjustment as to peas. With reference to beans, the issue is not so clear, but it would certainly seem as if a readjustment were necessary to meet the new conditions, as returns from plantings in recent years indicate plainly that a permanent decrease in yield must be reckoned with, and of course this leads at last to an inevitable advance in prices of both peas and beans.

In Justice to the Growers.

These repeated short crops have been most discouraging to the farmers and therefore they have demanded more for their share in producing these crops. In the end this advance must be paid by the seedsman and canners, and it is only just that it should be, as the growers certainly cannot bear it, and remain in business. Few, probably none, have grown wealthy in this business, and most of them have acquired little more than a modest competency. There have been years when they not only made no money, but suffered actual loss. Of course there is another side to the story, and the writer holds no brief from the growers, but has heard their

Michell's Seasonable Seeds

VERBENA SEED

Michell's Mammoth Fancy Strain. This is without doubt the finest strain ever offered to the trade, combining large size, purity of color and free flowering qualities.

Tr. Pkt.	Oz.	Tr. Pkt.	Oz.
Blue.....30c...	\$1.25	Pink.....30c...	\$1.25
Scarlet....30c...	1.25	Striped...30c...	1.25
White.....30c...	1.25	Mixed.....30c...	1.00

SWEET PEAS, (Winter Flowering)

Christmas Pink (Pink and White) White (Florence Denzer). Mrs. Alex. Wallace (Lavender).

Price 25c per oz; 1 1/4 lb. 75c; per lb. \$2.

Also all other varieties as listed in our Wholesale Catalogue a copy of which is yours for the asking.

MOSS, Green Lump. In Bags Containing About **75c per Bag**
One Barrel

Henry F. Michell Co. 1018 Market Street **Phila.**

side of the case from several of their class, and has deemed it only fair to state such facts as have come to his notice. Harmony and good will are the great desideratum between the growers and their clients, and this can best be brought about by a frank and full understanding of the conditions between them.

The Bean Situation.

The situation affecting beans clears up very slowly, but it becomes more evident as it develops, that the warnings given in HORTICULTURE on several occasions were not scareheads, but founded on a pretty intimate knowledge of conditions. The estimates of contract deliveries sent out by growers in September and at a later date were regarded by a few well informed persons as entirely too optimistic and the latest information fully confirms their views. Early estimates placed Black Valentines at 50 to 70 per cent., but it is known now that these figures are far too high. This is but an illustration of how misleading were these early reports. We have information of a sale of 100 bushels of these beans at \$5.00 per bushel, and the buyer made a good purchase, as it is believed that in 60 days they will bring \$6.00. It looks now as if Stringless Greenpods will be very short, and in fact most of the greenpod varieties will prove to be much scarcer than expected some weeks ago. Wax varieties promise better results, but definite information or even a close estimate is impossible at this time.

About Limas.

It was confidently believed that Lima beans were nearly a full crop, but the most recent information clips off a goodly percentage from the early estimates on the bush sorts, and particularly of Burpee's Bush. Instead of delivering 100 per cent. with a comfortable surplus, it is not improbable that a cut of 10 to 20 per cent. may have to be made, and the same may be said of the Dreer's, and Henderson's Bush. Burpee's two new introductions are procurable at what may be considered reasonable prices—\$7.50 for the Fordhook, and \$8.00 for the Burpee's Improved. Pole Limas are believed to be in sufficient supply to meet the requirements of the trade. We hope to have further crop news for next week's issue.

The seed business formerly conducted by H. D. Garwood, of Rocky Ford, Col., has been absorbed by the Elbert Seed Co.

CATALOGUES RECEIVED.

John Lewis Childs, Floral Park, N. Y.—Trade Price List of Gladioli.

California Rose Co., Pomona, Cal.—A prettily illustrated catalogue as usual, with a very taking cover illustration.

W. Atlee Burpee, Philadelphia, Pa.—Advance Wholesale Prices for the Trade Only, Seeds for 1910. Vegetables and sweet peas. A very comprehensive list of the latter.

Dervaes Freres, Wetteren, Belgium.—General Catalogue of Trees, Hardy Herbaceous and Tender Plants. The list of roses is extensive as is also that of Nymphæas and other aquatic plants, which are a specialty.

Sluis & Groot, Enkhuizen, Holland.—Advance Price List of Vegetable, Flower and Agricultural Seeds, Fall 1909. Printed in English. Contract offers for delivery in Fall 1910 and 1911 will be sent out in December.

F. C. Heinemann, Erfurt, Germany.—Special Illustrated Trade Offer of Novelties 1910 and Others of Recent Introduction. Printed in the English language. A colored plate of new things in carnations, antirrhinums, delphiniums, cinerarias and beans is enclosed.

V. Lemoine et Fils, Nancy, France.—Catalogue and Price List of Hardy and Tender Plants, 1909-1910. The novelty list is, as usual, full and interesting. Full page halftones of Begonia Patrie, Heliopsis scabra fl. pl., Deutzia crenata magnifica, Deutzia discolor elegantissima, D. discolor densiflora and Philadelphus Lemoinei Virginal, are presented.

M. Rice & Co., Philadelphia, Pa.—Catalogue of Florists' Supplies, Ribbon Specialties, etc. This beautiful album 11 x 14 inches, in covers of moss green with watered silk effect and embellished with halftone illustrations on heavy coated paper, is a credit to Messrs. Rice & Co., and the industry which they so worthily represent. "Don't turn your back on a good thing" is the motto on the introductory page. We should say that the florist who has not this useful book on his desk is certainly turning his back on a good thing. The illustrations are beautiful reproductions of beautiful handiwork, many of them new and representing every item of value to the up-to-date florist, from a complete wedding outfit of gates, kneeling stool, bell and vases, down to a toothpick. The issuing of such an elaborate work is an evidence of notable enterprise. The typographical make-up and finish are also of a high order.

CYCLAMEN

NEW CROP

FARQUHAR'S GIANT STRAIN

Is UNEXCELLED for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, claret base
Pink with
claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

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Thorburn's Bulbs

Paper White Narcissus
and all other DUTCH BULBS
of High Grade.

A few LILUM HARRISII "7/5" left at
\$37.00 per 1000

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CAULIFLOWERS
AB**B**A**G**E
LILY OF THE VALLEY PIPS.
HJALMAR HARTMANN & CO.
Longangstraede 20,
COPENHAGEN, DENMARK.

CABBAGE Wakefield and Succession.
PARSLEY \$1.00 per 1000. \$8.50 per 10,000.
LETTUCE 25 cts. per 100.
\$1.25 per 1000.
Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.
CASH WITH ORDER
R. VINCENT, JR., & SONS CO.
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FORCING GLADIOLUS

Many florists plant these in boxes, or among their carnations, in the winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. \$3.25 per 100; \$30.00 per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1 3/4 inches and up. \$2.00 per 100; \$18.00 per 1000.

Bulbs, 1 1/2 to 1 3/4 in., \$1.75 per 100; \$16.00 per 1000.

Shakespeare. White and rose. \$4.75 per 100; \$45.00 per 1000.

May. Pure white, flaked rosey crimson; the best forcer. Selected bulbs, \$1.75 per 100; \$15.00 per 1000.

Branchleyensis (true.) Fiery scarlet. Selected bulbs, \$1.50 per 100; \$13.00 per 1000. First size bulbs, \$1.25 per 100; \$10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, 1 1/4 in. and up. \$1.50 per 100; \$13.00 per 1000.

Bulbs, 1 1/2 to 1 3/4 in., \$1.25 per 100; \$10.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. \$1.00 per 100; \$9.00 per 1000.

Gladiolus, Colvillei and Nanus (type)

Plant some of these among your carnations; they will come in handy at any time.

Peach Blossom. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney rose. \$0.90 per 100; \$8.75 per 1000.

Blushing Bride. Flowers are large, pure white, with delicate pink spot. Useful for early forcing. \$0.75 per 100; \$6.00 per 1000.

The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower for early Spring use; will stand forcing. \$0.65 per 100; \$5.00 per 1000.

Ackermanii. Salmon-orange, with white blotches, edged scarlet; very pretty. \$0.75 per 100; \$6.50 per 1000.

Remember you may deduct 5 per cent if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman
342 W. 14th Street NEW YORK CITY

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WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

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FLOWER SEEDS Get Our Prices E. KINZIE STREET, CHICAGO

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00
For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillium Longiflorum Giganteum C. S. by the case of 300.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

FRENCH AND DUTCH BULBS

Columbia Farm Harrisii
Fischers Purity Freesias

Send for trade list.

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RICKARDS BROS.

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French and Dutch Bulbs

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W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

Chas. H. Brown, of New York city, announces the opening of his New Flower Shop at the Belnord, Broadway, 86th and 87th streets.

Kansas City, Mo.—The Budd Park Greenhouses have moved to 19th and Indiana streets and will hereafter be known as the Sunnyside Greenhouse.

Greenwich, Conn.—It is stated that Robt. McMillan has brought suit against James Everard, of Stamford, for the sum of \$1500 for floral decorations.

STEAMER DEPARTURES

Allan Line.

American.

Philadelphia, N. Y.-S'h'mpton. Nov. 27

Atlantic Transport.

Minnehaha, N. Y.-London. . . . Nov. 27

Cunard.

Saxonia, Boston-Liverpool. . . Nov. 30
Caronia, N. Y.-Mediterranean. Nov. 27

French.

La Provence, N. Y.-Havre. . . Nov. 25

Hamburg-American.

Pennsylvania, N. Y.-H'mburg. Nov. 27

North German Lloyd.

K. Wilhelm II, N. Y.-Bremen. Nov. 23
Prinz Friedrich Wilhelm, " Nov. 30

Red Star.

Zeeland, N. Y.-Antwerp. . . . Nov. 24

White Star.

Cedric, N. Y.-Liverpool. . . . Nov. 27
Oceanic, N. Y.-Southampton. Nov. 24

Washington, D. C.—F. H. Kramer held an exhibition from Nov. 8 to 14 at his new store, 916 F street, N. W. He has now one of the best equipped stores in the city.

Boston.—Julius A. Zinn, who for many years has been in the retail florist business at 2 Beacon street, will remove about Dec. 1st, to 2 Park street. His new store is a model in the way of equipment, and the location is unexcelled for first-class retail trade.

The life of the retail flower dealer is not all a life of easy money making. Far from it. He has troubles of his own, lots of them, and the incidents big and little which go to make up the daily worries of one are usually common to all. Our clever florist artist Mr. Luke J. Doogue of Boston, who has been "through the mill himself,"



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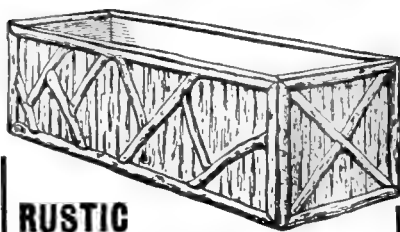
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Made to order 75c per running foot up. Cedar Bark, per bundle, 100 square feet \$2.50.

HOLLOW RUST C LOGS

(For Ivies, etc.) 3 feet high and upwards, from \$1.00 up.

Laurel, Cedar and Pine Branches in barrels \$1.00, in bundles 50c. Grape Vine per coil \$2.

MAPES RUSTIC WORKS, CLAYTON, N. J.

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Send flower orders for delivery in Boston and all New England points to

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Your orders for flower or plant delivery in Eastern New England to

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CUT FLOWER BOXES

Quality Right. Prompt Delivery
Prices Right

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"Say Mister, let me show you something nice in a funeral piece; only half what you'll have to pay in a regular store."

has agreed to give HORTICULTURE a series of cartoons, one each week, delineating some of the pests of the florist trade and some of the experiences, serious or comical, which every retailer is sure to meet with, sooner or later. The first one appears this week, on the page opposite these notes. Watch out for those to come later. Perhaps you may have some comment to make on the topics treated on by Mr. Doogue. If so, send them along for publication in this department.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
Montreal, Can.—P. McKenna & Son, St. Catherine and Gay Sts.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—M. A. Bowe, 1294 Broadway.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F. St.
Wellesley, Mass.—Tailby.

RETAIL STORES.

Columbus, Ohio.—Riverside Floral Co.

Cleveland, Ohio.—Wilhelmy Bros., Lorain avenue.

Chelsea, Mass.—Osgood Bros., 412-414 Broadway.

East Boston, Mass.—T. H. Gannon, 282 Meridian street.

Beverly, Mass.—R. Larcom & Co., Cabot and Essex streets.

St. Louis, Mo.—Mullanphy Flower Co., 3514 North Grand avenue.

Cleveland, Ohio.—Anderson Bros., 144 Euclid avenue, Park building.

Gary, Ind.—Whitlock & Boyle, 31 West Sixth avenue, Hotel Norton building.

Los Angeles, Cal.—Roth-Reymond Floral Co., West Third to Broadway and Seventh streets.

Boston, Mass.—A well equipped florist shop will be opened at 10 Post Office Square about Dec. 1st, by Chas. S. Champney, Inc.

THE BEST LETTERS

FOR FLORISTS' USE **R** THOSE MADE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

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\$1.50-\$3.00 per dozen

White and Yellow Jones, Chadwick, Bonnaffon, etc.

Extra large supply of
Roses and Carnations
for Thanksgiving Day

Quality Never Better—Exceptional Values

Business hours: 7. A. M. to 8 P. M.

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Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

Easter Lilies

Choice Stock. \$1.50 per dozen.
\$10.00 per 100.

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MANUFACTURERS
PHILADELPHIA, PA.

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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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Seedsman, Plantmen, Nurserymen
Florists' Supplies

We can supply everything used by the
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Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 15		Nov. 16		Nov. 16		Nov. 18	
ROSES								
Am. Beauty, Fancy and Special	40.00	to 50.00	25.00	to 35.00	20.00	to 25.00	25.00	to 30.00
" Extra	25.00	to 30.00	15.00	to 25.00	15.00	to 20.00	12.00	to 20.00
" No. 1	15.00	to 25.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	12.00	to 15.00	6.00	to 10.00	3.00	to 8.00	4.00	to 6.00
Bride, 'Maid, Chateauf, F. & S.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	4.00	to 5.00	4.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Killarney, Fan, & Sp.	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00	4.00	to 8.00
" Lower grades	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Richmond, Fancy & Special	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00	1.00	to 2.00
My Maryland	4.00	to 10.00	4.00	to 8.00	2.00	to 8.00	2.00	to 8.00
CARNATIONS, Nov. and Fan.								
" Ordinary	4.00	to 5.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50	1.00	to 2.00
MISCELLANEOUS								
Chrysanthemums, fancy	20.00	to 25.00	15.00	to 25.00	10.00	to 25.00	10.00	to 25.00
" ordinary	10.00	to 15.00	10.00	to 20.00	5.00	to 8.00	6.00	to 10.00
Cattleyas	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00	20.00	to 30.00
Lilies	12.00	to 15.00	12.50	to 15.00	8.00	to 12.50	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets	.75	to 1.00	.75	to 1.00	.15	to 1.00	.35	to .75
Mignonette	.....	.....	.....	.....	2.00	to 3.00	1.00	to 2.00
Sweet Peas	.75	to 1.00	.....	.....	.50	to 1.00	.....	.....
Gardenias	20.00	to 30.00	25.00	to 35.00	20.00	to 25.00	20.00	to 25.00
Adiantum	.75	to 1.50	1.00	to 1.25	1.00	to 1.50	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 15.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spreu. (100 bchs.)	to 20.00	25.00	to 35.00	35.00	to 50.00	15.00	to 25.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

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Special attention given to shipping orders.
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Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

Flower Market Reports:

BOSTON The market situation here has not changed much from last week as reported, either in volume or quality of receipts or strength of the demand. Business has been really dull since the beginning of the present week and there are heavy accumulations of carnations and chrysanthemums especially. Roses are shortening up a little, the planning for holiday crops six weeks hence making short production now, but there are enough for all requirements. Crimson carnations and red chrysanthemums are being care-

fully hoarded for the Harvard demand at Saturday's football affair, but the violet lags although, no doubt, the call for this flower at New Haven will be up to the record. Gardenias are making a fine run this fall.

A good supply of every-
BUFFALO thing has been had for two weeks past, but trade not as good as a few weeks ago. Indian summer weather prevailing brought on the chrysanthemums a little faster than desired, and while there always are plenty of roses and other material during the chrysanthemum season it can be said that the carnation and Beauty and other roses have

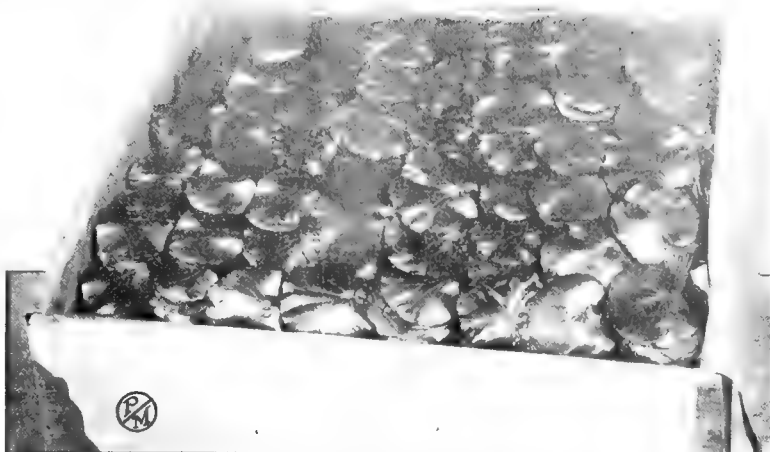
NEW CROP GALAX

(BRONZE)



THEY usually color up and are in fine condition to market the latter part of November. Our supply this season will be much above the average as to quality. We are offering same at \$6.50 per case, every leaf guaranteed; delivery in about two weeks. Orders will be filled in rotation, so would appreciate your early response. Immediate delivery on Bronze and Green \$7.50 case.

S. S. PENNOCK-MEEHAN CO.
1608-20 LUDLOW ST. PHILADELPHIA



not suffered as in other years, although ordinary roses are very plentiful. Select Killarney, White Killarney and My Maryland have had a good demand, and while prices have not been fancy they always find a way out. Kaiserin and Carnot are still with us and some good blooms are had. Violets, lily of the valley, daisies, mignonette, etc., have sold readily. Short stemmed carnations remain with the wholesaler, but the fancy ones bring the price. Prices have been good, although the retailers have had practically their own way for the past week or so.

A spell of warm weather which would be ideal in mid-summer has hastened the chrysanthemum crop along so that Thanksgiving will practically see the end of the season. Beauties are decidedly in short supply and on Monday buyers were running from place to place to get these roses for their customers. This is also said to be caused by the warm wave which lasted for days and reached 73 degrees. Carnations are in good supply and the prices will not be excessive for Thanksgiving. Lilies are more abundant. Roses other than Beauties are plentiful and good.

The cut flower market in some what of an indifferent condition due, no doubt, to the warm weather of the last ten days. Good, snappy cold weather would have a tendency to brighten up prospects and shorten the supply, which at present writing is far in excess of demand. Beauties are plentiful, quality good, fair demand and no advance in prices. Teas are very plentiful in all grades. Chrysanthemums are at their best just now. Carnations are showing decided improvement, length of stem increasing which adds considerably to selling qualities. Easter lilies are quite plentiful, no particular demand apparent. High grade lily of the valley is in fair demand and good supply. Quite a quantity of orchids are arriving, although no special demand is noticed. Indoor sweet peas are gradually increasing, both in quantity and demand.

Weather conditions favored an overproduction and price demoralization all along the line for the past ten days. The chrysanthemum has been coming in in approved western style—carload lots. Already it begins to show the wear and tear, and although there are

quantities of late blooms yet lacking maturity, it is true nevertheless that the chrysanthemum's reign is approaching its close. All indications point to more strenuous times in the wholesale districts. Already a whiff of frigid air is felt and with it comes the inspiration to the cunning operator to hoard his product in anticipation of a rise for Thanksgiving week. There may be a rise but not on hoarded stock. It is a vain hope. The big Harvard-Yale football game at Boston on Saturday of this week is too far removed to make much impression on this market except possibly on violets, but even on these old conditions no longer exist and many of the Hudson River boxes reach Boston and New Haven direct without touching New York at all. Orchids are scarcer and gardenias are maintaining a record pace. Carnations are excellent, but while the chrysanthemum avalanche is on they have but little show. Their turn comes next. The rose market has been very sluggish, the receipts being enormous, with Killarneys and Maryland having a little the best of it so far. Lilies too abundant. Paper White narcissi popping up on all sides.

Market for the PHILADELPHIA last week has been rather slug-

gish—too much stuff, and very low prices. Early in the season chrysanthemums found a ready market at good figures, but for the past two weeks things have been entirely different. In fact, there has been such a deluge from little growers and private places to the retail stores, that the regular wholesale centers could get better prices from the fakirs than from the retailers. That tells the whole story of the demoralization better than a page of explanation. The weather has been very warm, too, and that has had its effect. American Beauty roses are much more plentiful, and he is a smart salesman who, with even the finest long-stem stock gets top figures. Killarneys are better and in large supply. Bridesmaid poor and not much in evidence. Brides are rather better but still below standard. White Killarneys are very good from local points, but the choicest are still coming from outside. Cattleyas and cypripediums are still scarce and in good demand. Carnations much improved as to quality and in good supply. Gardenias continue top-notch favorites, splendid flowers coming in and satisfactory returns. Greens are moving a little better. Galax and box for futures are having a brisk call.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 16		Nov. 16		Nov. 16		Nov. 16	
ROSES								
American Beauty, Fan. and Sp.	20.00	to 25.00	30.00	to 35.00	20.00	to 25.00	15.00	to 20.00
" Extra	12.50	to 20.00	25.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" No. 1	8.00	to 12.50	18.00	to 22.00	6.00	to 8.00	6.00	to 10.00
" Lower grades	6.00	to 8.00	4.00	to 16.00	2.00	to 6.00	3.00	to 4.00
Bride, 'Maid, Chateauf, F. & S.	4.00	to 6.00	4.00	to 6.00	.....	to 8.00	6.00	to 8.00
" Low. gr.	2.00	to 3.00	3.00	to 4.00	2.00	to 6.00	2.00	to 4.00
Killarney, Fan. & Sp.	4.00	to 6.00	4.00	to 6.00	.....	to 8.00	6.00	to 8.00
" Lower grades	2.00	to 3.00	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00
Richmond, Fancy & Special	.....	to	4.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Lower grades	.....	to	3.00	to 4.00	2.00	to 3.00	.....	to 4.00
My Maryland	4.00	to 6.00	4.00	to 6.00	3.00	to 8.00	4.00	to 8.00
CARNATIONS, Novelty and Fancy								
" Ordinary	2.00	to 3.00	.....	to 3.00	.....	to 3.00	2.00	to 3.00
"	.....	to 1.50	1.00	to 2.00	1.00	to 2.00	.....	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy	15.00	to 20.00	.....	to .....	.....	to	15.00	to 20.00
" Ordinary	4.00	to 8.00	12.50	to 25.00	8.00	to 25.00	4.00	to 12.00
Cattleyas	.....	to	30.00	to 50.00	.....	to 75.00	50.00	to 60.00
Lilies	8.00	to 10.00	12.50	to 15.00	10.00	to 15.00	.....	to 18.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.25	to .35	.50	to .60	.50	to .75	.....	to .75
Mignonette	.....	to .....	.....	to .....	.....	to .....	.....	to
Sweet Peas	.....	to .....	.....	to .....	.50	to .75	.25	to .75
Gardenias	.....	to	25.00	to 35.00	20.00	to 35.00	.....	to
Adonis	1.00	to 2.00	1.50	to 2.00	.50	to 1.50	.75	to 1.50
Snailax	12.50	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosa, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Sprea. (100 bchs.)	20.00	to 25.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

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48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

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 Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
 FINEST LILIES IN THE MARKET.
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 Finest American Beauties and
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THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
 Telephone
JAMES McMANUS, 758 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 13 1909		First Half of Week beginning Nov. 15 1909	
American Beauty, Fancy and Special.....	13.00	to 20.00	20.00	to 30.00
" " Extra.....	8.00	to 12.00	10.00	to 15.00
" " No. 1.....	4.00	to 6.00	6.00	to 8.00
" " Lower Grades.....	.50	to 2.00	1.00	to 4.00
Bride, 'Maids, Golden Gate, Fancy and Special.....	2.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.25	to 1.00	1.00	to 2.00
Killarney, Fancy and Special.....	3.00	to 4.00	3.00	to 6.00
" " Lower Grades.....	.45	to 1.00	1.00	to 2.00
Richmond, Fancy and Special.....	2.00	to 5.00	3.00	to 6.00
" " Lower Grades.....	.50	to 1.00	1.00	to 2.00
Chatenay.....	.50	to 1.00	1.00	to 5.00
Ply Maryland.....	.50	to 6.00	1.00	to 6.00
Carnations, Fancy and Novelties.....	1.50	to 3.00	1.50	to 3.00
" Ordinary.....	.75	to 1.00	1.00	to 1.50

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
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CENTRALLY LOCATED, THE HUB OF THE
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MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

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48 W. 29th Street, New York City
 Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
 GALAX, bronze and green, fresh crop,
 \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
 SPRAYS, 75c, 100. GREEN SHEET
 MOSS, \$2.00 large bag.

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122 West 28th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Massware Decorative Greens and Florists' Requisites

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Clean, Choice Stock, No Heavy Wood. Every case guaranteed. We ship everywhere. Let us quote you on your requirements, for shipment now or later.

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Consignments Solicited

Hardy Fancy Fern Our Specialty

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B. S. SLINN, JR. VIOLETS

Selling Agent for the Largest and Best Growers in the Hudson River District.

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Each Spool of the

MEYER GREEN SILKALINE

contains full two ounces of thread. Weigh up your spools and see that you get full weight. For sale by all reliable houses.

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

PHILADELPHIA NOTES.

Ben Harry, a promising young attorney, son of W. S. Harry, florist, Conshohocken, was accidentally killed at the Chelton Ave. crossing of the Reading R. R. on Sunday last.

The 16th inst. was nomination night at the P. H. S. All the old officers are on the list for another year without opposition. Dreer, Michell and Waterer premiums for 1910 were announced.

Edwin Lonsdale, Mrs. Lonsdale and their nephew, Mr. Smith, leave for the Pacific coast on the 4.30 p. m. train Saturday, the 20th, from Broad St. station. The delay in installment of the successor at Girard College has prevented an earlier departure.

The latest addition to the Pennock-Meehan outfit is a 40 h. p. auto-delivery wagon that can cover the ground

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



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Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

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Open 6 A. M. Daily
Tel. 167 Madison Sq.

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 13 1909		First Half of Week beginning Nov. 15 1909	
Cattleyas.....	25.00	to 40.00	20.00	to 50.00
Lilies.....	3.00	to 6.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narcis. Paper White.....	.....	to 3.00	.....	to 3.00
Chrysanthemums.....	8.00	to 15.00	8.00	to 15.00
Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Violets.....	.20	to .50	.35	to .75
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreu. (100 bchs).....	12.00	to 20.00	12.00	to 20.00

in double quick time at the minimum of expense. The outside body is of the swellest, so far as artists' skill can go.

The final awards of last week's show included a certificate of merit to Julius Roehrs Co. for "Fred Sander" croton, and Brasso-cattleya Digbyana labiata. The latter is a magnificent pink flower, of fine form and very distinct. It shows the Digbyana character very strongly and also in its width of petals and fine coloring the influence of the other parent, C. labiata.

Heck Bros., Wyomissing, Berks Co., Pa., exhibited their new chrysanthemum "Pink Seedling" at last week's chrysanthemum show. This was awarded a silver cup last year, and the committee declared that this year it was better than ever. Our up-state friends seem to have a good thing in this—which is worth planning a campaign with, for their own benefit and the good of the trade at large. There is

both money and glory to be gained from such a novelty.

Visitors: Alex. Montgomery and Wm. Nicholson, Boston; Paul and Henry Dailledouze, Brooklyn, N. Y.; Mrs. S. E. Scherrer, Bethlehem, Pa.; O. J. Sawyer, Allentown; Chas. Johnson, Nazareth; Mrs. Chas. Vorkeller, Bethlehem; Jno. Stanley and Jno. Rogers, Whitford; Wallace R. Pierson, Cromwell, Conn.; George A. Cooke, Washington, D. C.; Ernest Ashley, Allentown; George W. Carr, Kingston; S. G. Marvin and Mrs. Marvin, Wilkes-barre.

Galax and Leucothoe

Quality, Packing and Price All Right
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA, N. C.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

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ARAUCARIAS

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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ASPARAGUS

Elmer D. Smith & Co., Adrian, Mich.
Asparagus Sprengeri and Tenuissimus.
Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.
Asparagus Sprengeri, strong. 2-in., 2c. H. Klahr, Schoharie, N. Y.
Asparagus Sprengeri, 2½-in. pots, strong plants, \$2.00 per 100. Virginia Nursery Co., Purcellville, Va.
Asparagus Sprengeri—Good plants for 6 in. pots from bench to make room, \$5.00 per 100. Cash. J. T. Erickson, Swampscott, Mass.
Asparagus Plumosus, and Sprengeri, 2½ in., extra strong plants, ready to ship, \$2.50 per 100. O. B. Kenrick, Alexander Ave., Belmont, Mass.

AUCTION SALES

Wm. Elliott & Sons, New York.

AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.
Rex Begonias. A fine assortment of 12 named varieties from 2½ in. pots, strong plants, \$4.00 per 100. Virginia Nursery Co., Purcellville, Va.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Pronunciation of Plant Names, sent for 50 cents, postpaid, by HORTICULTURE PUB. CO., 11 Hamilton Place, Boston.
Iris, Peony and Philox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Manual.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Fernwood Nursery, Stamford, Conn.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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Narcissus, Chinese Sacred Lillies, Hyacinths, Lillium Longiflorum.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS AND EASTER PLANTS

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CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
I. M. Rayner, Greenport, N. Y.
Stock Plants.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
Golden Glow, Pacific Supreme, Polly Rose and Glory of Pacific. Stock plants, 25 assorted as wanted, \$1.00. Chas. Frost, Kenilworth, N. J.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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COSMOS—Early Flowering

Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Bangor Box Co., Bangor, Me.
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WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y., Dept. H.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen giganteum, mixed, 2-in., 8c. H. Klahr, Schoharie, N. Y.

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Peacock Dahlia Farms, Williamstown Junction, N. J.
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Wilmore's Dahlia Manual will be mailed for twenty-five cents by HORTICULTURE PUBLISHING COMPANY, 11 Hamilton Place, Boston.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
Imported Plants for Fall Delivery.
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Ferns for Dishes

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Nephrolepis Elegantiissima Compacta.
Also Nephrolepis Superbissima.

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Randolph & McClements, Pittsburg, Pa.
Boston Ferns.

Robert Craig Co., Philadelphia, Pa.
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Fernwood Nursery, Stamford, Conn.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

200 Boston Ferns, to clear bench, at 15 cts. Stocky. Right for 5 and 6 in. pots. E. A. Chipman, Woonsocket, R. I.

Dwarf ferns for fern dishes, 6 best sorts, in fine condition, 2c.; \$18.00 per 1000. The Good & Reese Co., Springfield, Ohio.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Immortelle Letters.

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Rosens, 48 West 29th St., New York City.
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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc. Zanesville, O.

Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Galax and Leucothoe.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

Buchner, Poitevine, Jaulin, Nutt, Chas. Gervais, Henderson and Montmort: Rooted cuttings, \$1.25 per 100; \$12.00 per 1000. Chas. Frost, Kenilworth, N. J.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poitevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, N. Y.
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Surplus stock of choice named gladioli. Also bulbs and bulbets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 28-30 Sudbury St., Boston.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1892-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pommer, Prop., Amelia, O. Largest gold fish hatchery in the world.

Gold Fish. Gold Fish. Aquarium Plants, Aquarium Plants. Send for price list. Franklin Barrett, 4815 D. St., Olney, Philadelphia, Pa.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Pecky Cypress for Benches.
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S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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The Kervan Co., 113 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

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New England Nurseries, Bedford, Mass.
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HOLLY

Holly wreaths. Box holly. Holly wreaths a specialty, in large and small quantities. Selected box holly. Write for prices. H. E. Conwell, Milton, Del.

HOLLYHOCKS

Hollyhocks, double yellow, pink and white, \$15.00 per 1000; single, mixed, \$10.00 per 1000. Spring sown. Cash. Byer Bros., Chambersburg, Pa.

In writing to Advertisers kindly mention Horticulture

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.

Hydrangea Hortensis Otaksa.

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INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. B. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

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Stump & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.

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B. G. Pratt Co., 50 Church St., New York.

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Iris Pallida Dalmatica.

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E. S. Miller, Wading River, N. Y.

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GERMAN IRIS, colors purple and cream. 75c. per doz.; \$5.00 per 100. By mail, \$1.00 per doz., 10c. each. M. L. McClave, Benton Harbor, Mich.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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KENTIAS

Godfrey Aschmann,

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Home Correspondence School, Springfield, Mass. Dept. 8.

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.

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Lily of the valley, field-grown, 25c. per doz.; \$1.00 per 100 by mail; \$6.00 per 1000 express. M. L. McClave, Benton Harbor, Mich.

MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.

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MISTLETOE

Mistletoe—Silliman's Every Sprig Berried brand. Now booking orders for December shipment. A. B. Silliman & Co., Home Office, Boone, Iowa.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

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NURSERY STOCK

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

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P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

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New England Nurseries, Inc., Bedford, Mass.

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Eastern Nurseries, Jamaica Plain, Mass.

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W. & T. Smith Co., Geneva, N. Y.

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Bobblink & Atkins, Rutherford, N. J.

Boxwood and Evergreens.

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Leesley Bros., Chicago, Ill.

Trees, Shrubs, Evergreens, Hardy Plants.

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DWARF BOX.

Fine, well rooted plants, 3 to 8 in., \$1.00 to \$5.00 per 100. By mail, 2 to 10c. each. Stock fine, but limited. Order soon. M. L. McClave, Benton Harbor, Mich.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

Shade and Fruit Trees, Hedge, Berry Plants, Asparagus Roots, Rhubarb. Kentucky Nursery Co., Louisville, Ky.

ONION SETS

Leonard Seed Co., Chicago, Ill.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids

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Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.

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Carrillo & Baldwin, Mamaroneck, N. Y.

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Ordones Bros., Madison, N. J., Box 106.

C. Lablata: D. Bigibum Arrived.

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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

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Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

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Fernwood Nursery, Stamford, Conn.

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PANSY PLANTS.

Giant pansies, Bugnot, Odier, Cassler, Trimardeau, mixed, \$2.50 per 1000; 2000, \$4.00. Cash. Byer Bros., Chambersburg, Pa.

PATENTS

Siggers & Siggers, Washington, D. C.

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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.

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Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias, double; rooted cuttings, \$1.00 per 100; 2-in., 2c. Cash. Byer Bros., Chambersburg, Pa.

PHLOXES

Old Town Nurseries, So. Natick, Mass.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 468 Erie St., Chicago.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.

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Metropolitan Material Co., 1392-1408 Metropolitan Ave., Brooklyn, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of \$1.00. Barton, 110 Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O.

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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.

Primroses Obconica and Chinenia.

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Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Rondelet, Lattmanns

Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 829 Prouty Ave., Toledo, O.

PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.

AMOR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

Harrison's Nurseries, Berlin, Md.

Privet Hedge by the Mile.

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California Privet, well rooted and well graded. Write for prices. John H. Lane, Little Silver, N. J.

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New Rose Daybreak.
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The Rose, by H. B. Ellwanger; mailed
for \$1.80 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

Baby Rambler roses, strong, three-year-
old, field-grown, own root, have been cut
back and lifted and have become well estab-
lished in 5-in. pots, at \$12.00 per 100. Vir-
ginia Nursery Co., Purcellville, Va.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

A full stock of moss on hand all year
around. Sphagnum moss, \$1.50 per bale;
sheet green moss, \$2.50 per bbl.; clump
moss, 75c. per bag. H. Kenney, 88 Roches-
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost.
Our specialty—100 assorted designs, \$10.00.
H. Kenney, 88 Rochester Ave., Brooklyn,
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BASKET PLANTS.

As subjects for planting in hanging baskets in conservatories, windows, and verandas, during the warmer months, I would call attention to some species of suitable plants which are in vogue in France and Germany. Among lobelias of the *L. erinus* section are *L. e. Hamburgia*, *L. littoralis* (true) and Kathleen Mallard. *L. littoralis* has small, white flowers succeeded by pretty fruits that are the chief ornaments of the plant. *Hamburgia* has flowers of a dark blue color. *Lobelia Richardsonii* is a variety which grows more freely than *Hamburgia*, and the growths are longer. It is necessary before planting *Hamburgia* and Kathleen Mallard in baskets, in order to encourage the plants to grow vigorously, to place them for a considerable period of time in an intermediate temperature. The plants having made long growths should be afforded cool treatment, and spare feeding. *Glechoma hederacea variegata* is a much admired plant for small baskets. *Muehlenbeckia complexa*, several campanulas, viz., *C. isophylla*, *C. fragilis*, a useful plant, with root-leaves on long stalks, a profuse bloomer; *Othonna crassifolia*, a native of Barbary, and a plant of distinct character, the shoots and leaves smooth and glaucous and the habit spreading, blooms freely in the late spring months if planted in light rich soils. The flowers are yellow.

FREDERICK MOORE.

ORCHIDS AT ROYAL HORTICULTURAL SOCIETY.

At the exhibition on October 26, Edward V. Low arranged a group consisting largely of *Cattleya labiata* varieties which he has been collecting in South America. The major proportion were white-flowered, excepting the lip, which is more or less colored purple. Those having the largest amount of this color were *Cooksoniae*, Mrs. R. Ashworth, *Gilmouriae*, and G. G. Whitelegge. Those with the least purple were *Reedleyensis*, and *Amesiana*.

Sander & Sons, St. Albans, had an exhibit rich in cattleyas. Very fine were *C. Lord Rothschild* var. *delicata*—its chief feature being the stain of deep orange in the throat; *C. Clarkiae* = *C. bicolor* × *C. labiata*; a variety of *C. Hardyana* having a beautiful lip of a purple tint; *C. Empress Frederick* var. *Sanderae*, a flower having white petals and sepals, and lip white at the margin; throat orange on the inside, lined with purple. Several cypripediums were deserving of notice, viz.: *Minos*, *San Actaeus*, *insigne Lindeni*, and *J. Wilson Potter*.

Charlesworth & Co. showed *Cattleya Empress Frederick gigantea*, a flower measuring 6 inches across; the sepals and petals of an uniform light purple tint, the lip lobed and fringed bright purple in front, throat orange lined with purple; *Odontioda Bradshawiae* and *Cypripedium Madame Alfred Bleu*.

Messrs. J. Veitch & Sons showed *Cypripedium Elatior Rex* (Award of Merit); *Cattleya porphyroblebia* = *C. intermedia* × *C. superba*; *Brassocattleya Digbyana gigas*.

In Cypher & Son's collection we noted: *Cattleya Mantinii nobilior*, *Cypripedium Milo Westonbirt* var. *Euryades*, *Leeanum magnificum*, *nitens magnificum*, some forms of *C. insignis*, as *Commander-in-Chief* and *Laura Kimball*, and the singular looking *Phaio* - *Cymbidium Chardwarensis*, whose sepals and petals are orange and lip brownish purple, the flower almost circular.

Lieut.-Col. Holford received the Society's gold medal for a group of orchids of the finest quality. An award of merit fell to him for *Cypripedium Beacon* = *C. Lowianum* × *nitens Leeanum*. Mr. Bath of Wisbech received an award of merit for the American carnation named *May Day*. Shrubby veronicas as standards 3 feet in height and small bushes were shown in bloom by Mr. H. B. May, Upper Edmonton. The standards were formed in three years from the time of grafting and were distinctly ornamental.

FREDERICK MOORE.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

AN INTERESTING NURSERY.

On Thursday, November 11th, a few friends paid a visit to Messrs. Farquhar's nursery at Roslindale, Mass. Assembling at Horticultural Hall, Boston, they were met by Messrs. Farquhar and conveyed in automobiles. The route embraced a goodly portion of the park system. Late as the season was, many trees and shrubs were still in good foliage and fruit; particularly fine were large bushes of the beautiful *Cornus florida*. In Franklin Park the contrast between the red-brown of the oaks and the dark green of the conifers was very striking.

Messrs. Farquhar's new nursery consists of a long, narrow valley flanked by low hills. On one of these latter the greenhouse and other buildings are situated. One house, filled with *Begonia Gloire de Lorraine*, some 300 ft. long and every plant one mass of flowers, created general admiration. Other houses were filled with cyclamens, primulas, Boston ferns, araucarias and miscellaneous decorative plants.

In one of the greenhouses and in many pits we noted thousands of seedlings of the new Chinese plants introduced by the Arnold Arboretum. All of these were too small to form any accurate idea of their merits, but the variety is unquestionably great and many look decidedly interesting. We noted nice young plants of *Clematis rubens* with its very distinct dark foliage often marbled with white; also *Clematis Armandi*, an evergreen in some respects resembling *Clematis indivisa*. We also noted many species of *Vitis*, and two—*V. Henryana* with crimson foliage striped white and *V. Thomsoni* with dark scarlet leaves—were very attractive. The seedling *Rhododendrons* from China, of which Messrs. Farquhar have thousands, are full of interest and even in their present young state exhibit much variety. These Chinese introductions promise great things, and if only a very moderate percentage prove adaptable to the climate of this vicinity they must have a great effect in the adornment of our gardens and parks of the future.

The soil in the valley of this new nursery is pure peat of great depth, and peat-loving plants generally thrive in it amazingly. We noted several fine plots of dwarf *rhododendrons*, well-budded and equally fine beds of kindred plants. Men were busy lifting the bulbs of *Lilium auratum*, *L. speciosum* and its varieties, *L. tigrinum* and others, and the bulbs generally were an exceptionally fine sample. Dahlias and other tender tuberous plants were already lifted and stood in well managed sheds.

The whole of the stock at this Roslindale Nursery is in splendid condition, and reflects the greatest credit on the proprietors and their competent staff. It is evident that a perfect understanding exists between employer and employes, for without the hearty co-operation of all concerned such results could not be obtained.

Light refreshments were served to the visitors at the Nursery and a dinner followed afterwards at the Parker House. Messrs. Farquhar have the happy knack of doing all things well and one and all of the guests were indebted to them for a most interesting and thoroughly enjoyable afternoon.

W. H. E.

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Hews A. H. &		Raynor John I.	724		
Co.	734	Reed & Keller.	724		
Hilfinger Bros.	734	Reinberg Peter.	722		
Hill, The E. G.		Reuter S. J. &			
Co.	703	Son, Inc.	703		
Hitchings & Co.	736	Rice Bros.	722		
Hoerber Bros.	722	Rickards Bros.	719		
Hoffman	720				

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED

A bright active man to sell seed direct to market garden trade; one that has had experience in selling seed and growing vegetables; also to be quick in doing up seed orders and waiting on customers. Must have some knowledge of garden tools. Give age, experience, references, and salary expected. Must be ready for work at once. Address Seeds, care HORTICULTURE PUBLISHING COMPANY, Boston, Mass.

WANTED—A good grower for general stock—roses, carnations, bedding plants, etc., in modern, well-equipped place in New York state. Permanent situation for right man, single, at \$15.00 per week with room. L. J., care HORTICULTURE.

WANTED—Grower of orchids and stove plants. Married man preferred; \$60 a month with cottage. C. N. E., care HORTICULTURE.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, R. I.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—At Southampton, L. I., 1/4 acre, 8-room house, hot house, 100 ft. long, and barn. All newly painted and in good condition. Easy terms. Inquire Pacific Paint Co., 27 Sixth Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 1/2 room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

GREENHOUSE PLANT, 12 miles out, 39,000 feet, 9 room, 2-story house, all imp., 225 feet greenhouses, hot water heat. Assessed \$6700. Price \$6000, \$2100 cash. Mr. Hodge, 8 Grand View Ave., Somerville, Mass.

GREENHOUSE PLANT, 25 acres, 30 miles out, good market, first class condition; \$3200, \$1700 down, bal. easy; lumber will bring over \$1700 right in town; low taxes. Mr. Hodge, 8 Grand View Ave., Somerville, Mass.

GREENHOUSE PLANT, 7 acres fine land, 12 miles out, 2 houses 20x200, 1 house 11x140, 1 house 25x50; 6 rooms and bath in house, all hardwood finish, open fire, piazza, all steam heated, and built new 1907; finest small plant in N. E.; \$10,000, one-half cash. Mr. Hodge, 8 Grand View Ave., Somerville, Mass.

TO LET

TO LET—Part of large store with large basement. Situated in the center of the wholesale florists' trade. Good opportunity for florists' supplies, green goods, Ferns, etc., or any business connected with the florist trade. Address Manhattan Flower Market, Wholesale Florists, 46 West 28th St., New York City.

Obituary.

Samuel J. Thompson.

Samuel J. Thompson, florist, died on November 8 in his apartments over his store at 532 S. Fourth avenue, Louisville, Ky.

Thos. McKenna Ulam.

Thos. McKenna Ulam, formerly of Elliott & Ulam, and later in the florist business for himself at Pittsburgh, died at his home, 507 Edgewood ave., Pittsburgh, Pa., Nov. 3, aged 47 years. He leaves one brother and two sisters and is also survived by his mother, Mrs. Harriet Ulam.

August W. Steineke.

August W. Steineke, Woodmere, Mich., who for many years conducted a florist's business under the firm name of A. W. Steineke & Son, died November 5, aged 65 years. He was born in Kronigsberge, Germany, and came to this country 36 years ago. He leaves a widow and his mother, who is over 90 years of age.

Ernest H. Schmiedel.

Ernest Heinrich Schmiedel was born July 5, 1846, in Doebelin, Saxony, Germany, and has been located in America about 25 years. He has been employed by the city of Harrisburg, Pa., for a number of years as a florist. He died, Sunday, Oct. 31, of cancer of the stomach. He leaves a wife, one daughter and three sons, all of Harrisburg.

CHICAGO NOTES. City Improvements.

An ordinance, which if passed, will put every flower stand off every street in Chicago, was presented by Alderman Cermac, Nov. 8th, and was referred to the judiciary committee. The proposed ordinance provides that no obstructions be permitted on sidewalks and those now issued shall be revoked. War on sub-sidewalk space also is promised to come later.

By order of the council, Chicago will reclaim about 2,000 acres of submerged land lying in the Hyde Lake district, between 117th and 113th streets. In few places is there more than 18 in. of water. It now belongs to the state and an ice company is endeavoring to obtain possession of it. "When properly filled it will make a fine park and this valuable land should not be allowed to slip into the hands of private interests," says Alderman Jones who succeeded in getting the ordinance passed.

A petition for widening Michigan avenue and the boulevarding of the east forty feet between Jackson boulevard and Randolph has been presented to the council.

The annual meeting of the Outdoor Improvement Association will be held at Champaign, Ill., Nov. 18th and 19th. Pres. James of the University of Illinois is much interested in this work and sent a special request to Mayor Busse to be present or to send a representation.

Florists whose greenhouses are in close proximity to the railroads as well as all florists who desire to see Chicago more beautiful are just now greatly interested in the war against smoke. Smoke Inspector Paul P. Bird at a meeting last week was warmly congratulated on his success. Among other things Mr. Bird says, "It is wonderful how the public has awakened. Two years ago it was luke warm, now it is red hot." Mr. Bird said it would be well to have a school for men who do furnace firing in Chicago, as they do in England.

Chicago City Gardens Association will put 400 families in the way of raising their own vegetables on vacant lands next summer. Classes in gardening will be held this winter. The returns on the Harvester tract for the past season averaged \$25 for each plot and expenses averaged \$6. 95 per cent. of those taking plots carried the work through.

The Outdoor Art League of Chicago, placed 5,000 window boxes the past year and compelled a number of owners of smoking chimneys to repair their furnaces.

Milwaukee Show.

A number of the leading growers of Chicago exhibited at Milwaukee last week and some of them brought back various prizes.

Bassett & Washburn took first on Rhea Reid rose, 1st on seedling carnation No. 36, and 1st on O. P. Bassett carnation in two classes, the best 100 red, and the best variety disseminated in 1909, any color.

About thirty Chicago florists attended the banquet at Milwaukee giv-

en by the Milwaukee Florists' Club and had a royal good time, returning home Sunday evening after witnessing the close of the first big show held in Milwaukee. It was pronounced by all to have been a great success as an exhibit and when the financial returns are in no doubt the balance will be on the right side.

A. C. Brown of Springfield, Ill., originator and introducer of carnation Sangamo, is a Chicago visitor on his way home from the Milwaukee show, where he exhibited his prize winning carnation Sangamo. At the Chicago and the St. Louis shows this flower took first prizes. It is a beautiful light pink.

Notes.

The late chrysanthemums are just coming in, Timothy Eaton and Golden Dome being the first arrivals.

A. E. Hunt of Park Ridge is showing a fine vase of the Mary Tolman carnation at the Flower Growers' Market. Mr. Hunt is the originator of this carnation and is pleased with its success at the Milwaukee show last week, where it received 1st prize in the class in which it was entered. It is a beautiful light pink with deeply fringed petals.

Chicago papers of last week announce the bankruptcy of the Emma Eaton Flower Shop with liabilities of \$25,620.00 and assets \$315.00.

Harry Rowe, speaking for the retail business says he thinks we are slowly getting over the effects of the financial depression and believes that the business of the retail florist should be judged by the sale of flowers outside of the funeral trade. He is right.

The Bohanan Floral Co. had their large window adorned entirely in yellow and brown this week and the effect was very pleasing and seasonable.

"The Flower Growers' Market will have \$30,000 spent on its improvement in the spring," says the new manager John Sinner. The present narrow stairs will be replaced by two modern stairways and a better elevator will be installed.

Harry Clifton, of 373 N. 48th avenue, will soon have the new front to his retail store completed, making a great improvement.

Another meeting of the retailers was held at the Flower Growers' Market, Nov. 11, to discuss the question of their exclusive right to the retail trade. A committee was appointed to draft a set of resolutions and report at the next meeting.

DURING RECESS.

The Chicago Bowling Club had a spirited contest last Friday evening. The score was as follows:

Carnations	768	708	715
vs.			
Roses	758	611	686
vs.			
Orchids	673	661	680
vs.			
Violets	692	768	721

Chairman F. R. Pierson of the S. A. F. Flower Show Committee has appointed E. A. Stroud of Overbrook to succeed Edwin Lonsdale, whose removal to California has made a vacancy on the committee.

A SUGGESTION FOR FALL PLANTING.

I have often wondered why it is that florists serving suburban customers—those that have more or less garden space about their homes—do not make a greater effort to develop a demand for hardy material. They work hard to push the sale of bedding plants at a time of the year when all are more than busy, occupying greenhouse room and expensive help, with cost of pots, etc., added and at prices that scarcely more than cover the expense of raising the stuff, yet they pay no attention to the opportunity for a good profit calling for no expense in time or labor which lies in selling lily of the valley roots in fall and other things which are easily cared for in the garden, such as the irises, and yield a profusion of beautiful fragrant flowers. Everybody likes these things, and the only reason why they are not planted everywhere is that the florist does not bring them forward properly. Brother florist, try it. Set forth to your customers the cheapness of these roots, the ease with which they can be grown on any kind of soil in shade or sunshine, one planting sufficing for several years, increasing fast, giving a profusion of fine flowers and not requiring the care and expense of keeping bedding plants attractive. I have noticed in HORTICULTURE'S advertisements how cheaply the above mentioned and similar stock can be bought in quantity, leaving a good profit on retail sales, and I know from my own experience how little effort it takes to talk the people into buying and giving orders for planting. There is still time to do considerable this fall. MCA.

PERSONAL.

Arthur Bodwell has taken a position with J. H. Troy, New York. He was formerly gardener on the estate of the late William Barr, Llewellyn Park, N. J.

Sam Lundy, formerly with the Hoekel Floral Co., is now representing W. A. Manda of South Orange, N. J., on the Pacific coast.

Walter R. Manson of Akron and Cleveland, Ohio, is now in the employ of John Walker of Youngstown, Ohio, as manager of his greenhouses.

E. Philpott is visiting Duluth and Minneapolis where he will spend a few days before returning to his home in Winnepeg.

James F. M. Farquhar, of Boston, sailed on Nov. 17 from New York on the Lusitania for a brief European business trip.

Visitors in New York: H. E. Fiske, Boston, Mass.; Philip Freud, of H. F. Michell, Phila.; Harry Holmes, of the Holmes' Seed Store, Harrisburg, Pa.; James Comont, of Merrs. Carter, Dunnett & Beale, London, Eng.

Visitors in Boston—H. S. De Forest, of Pierson U-Bar Co., New York; E. J. Fancourt of Pennock-Meehan Co., Phila.; Paul Berkowitz of H. Bayersdorfer & Co., Phila.; A. C. Zvolanek, Round Brook, N. J.; F. R. Pierson, Tarrytown, N. Y.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

“NICO-FUME”

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

BUSINESS CHANGES.

McCook, Neb.—March & Johnson have acquired the houses recently owned by McCook Greenhouses. They include about 6,000 feet of glass.

Detroit, Mich.—The business of A. W. Steineke, formerly conducted under the firm name of Steineke & Sons, will hereafter be carried on by John Warneke under his own name.

NEWS NOTES.

Pasadena, Cal.—The Park Nursery Co. will remove from their old location at 190 W. Colorado St. to Rose Ave. and Pasqual St. Jesse R. Vore and A. S. Hollingsworth have purchased the interest of their partner, T. E. Gould.

The manufacturers of Aphine are arranging for an exhibition and test of the merits of their insecticide to be given in New York city the early part of December. All interested in horticulture will be welcome on the occasion, the date of which will be advertised in due time. Any growers having plants infested with disease or insects on which they would care to have test made as to the effectiveness of Aphine will be accommodated if they will forward their specimens to the place of exhibition.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

**E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.**

PRATT'S
“SCALECIDE”

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, “Orchard Insurance.”

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



Not genuine without it.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

**P. R. Palathorpe Co.
OWENSBORO, KY.**

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS
and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive “Spraying for Profit,” a useful guide book.

**CHARLES J. JAGER CO.
181-285 Franklin St., Boston**

SPRAYED

*green Flies and
Black ones too*

are easy to kill with

**The Fumigating Kind
Tobacco Powder**

All our bags have our guarantee tag on the bag, reading “Satisfaction or Money Back,” and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

**The H. A. Stoothoff Co.
Mount Vernon, N. Y.**

WIZARD

TRADE BRAND MARK

MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE
PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE
EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write
Us for Circulars and Prices.

THE

**Pulverized Manure Co.
31 Union Stock Yards CHICAGO**

KILMDEAD
The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.00

Stump & Walter Co. 50 Barclay St., New York.

In ordering goods please add “I saw
it in HORTICULTURE.”

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

**452-460 No. Branch St.,
CHICAGO, ILL.**

GREENHOUSES BUILDING OR CONTEMPLATED.

Bellevue, Ore.—Mr. Frost, one house, 25x80.

Adrian, Mich.—Wm. L. Snyder, one house, 23x60.

Pasadena, Cal.—Park Nursery Co., three houses.

Toledo, Ohio.—Krueger Bros., three houses, 30x350.

East Liverpool, O.—Frank G. Chapman, one house.

Dighton, Mass.—J. Harvey Briggs, one house, 33x100.

Columbus, Ohio.—Ralph A. Knight, two houses, 30x150.

Canton, Ohio.—Brown Floral Co., two houses, 36x200.

Alliance, Ohio.—Lamborn Floral Co., four houses, 30x300.

Philadelphia, Pa.—Robert Crawford, conservatory, 22x75.

McCook, Neb.—L. M. Best, four houses, 25x100 feet.

Toledo, Ohio.—Mrs. Ewald Suder, two houses, 37x130.

Providence, R. I.—William Hay, at Oaklawn, new houses.

Sandusky, Ohio.—John P. Richardson, three houses, 20x90.

Maumee, Ohio.—C. W. Morduff, two vegetable houses, 30x150.

Gardner, Mass.—George E. Tourtelot, vegetable forcing house.

Walla Walla, Wash.—Walla Walla Floral Co., two houses, 34x200.

Newburg, N. Y.—Yuess Garden Company, house, 35x150; one 30x235.

Columbus, Ohio.—Riverside Floral Co., two houses, one 30x100, the other 24x60.

Columbus, Ohio.—Munk Floral Co., one house, Moninger construction, 22x100.

Colorado Springs, Col.—Frank F. Crump, violet and chrysanthemum house, 21x150.

Salem, Ohio.—W. A. Cogill, three houses, 31x120; also one 15x65, and two others 20x50 and 25x65.

NEWS NOTES.

San Francisco, Cal.—T. Moses has opened a wholesale flower market at 347 Bush street.

Des Moines, Ia.—The Rush Floral Co. has sold a half interest in the business to Frank Stevens.

Elkhart, Ind.—Mrs. E. M. Bullock gave a chrysanthemum exhibition at her greenhouses last week.

Mankato, Minn.—The Windmill Floral Co. gave a flower show Nov. 16 at the Mankato Theatre.

Frankfort, Ind.—The formal opening of the Monticello Floral Company, of which Cloyo Levitz is proprietor, was a decided success.

Zanesville, Ohio.—Peters & Reed, flower pot manufacturers, intend to erect a new warehouse this coming spring, to be 25x100.

Crawfordsville, Ind.—McDonald & Steele hold their annual flower show in the West Main street office of the Y. M. C. A. building, Nov. 19 and 20.

Asbury Park, N. Y.—Alexander Benson, 40 years of age, an employee of N. A. Corlin, was recently killed in an accident caused by being struck by an express train of the Pennsylvania railroad at Deal Beach, Nov. 1. Gustav Venstrand, age 20, who was with him, was seriously injured.

The Gibson Nurseries of Portland, Ore., has been awarded the grand prize for roses by the Alaska-Yukon Pacific Exhibition, and the beds planted by this company are to be left as a permanent decoration.

Springfield, Mo.—C. E. Smith, a seed expert from Washington, D. C., has been secured by the Springfield Seed Co. to inspect the seeds shipped by them. A new testing laboratory and refrigerator are being installed at their store and Mr. Smith will have charge of the laboratory.

FIRE RECORD.

Hartford, Conn.—J. Albert Brodribb's greenhouses were destroyed by fire on Saturday evening last.

Woodbury, N. J.—Lewis C. Duncan, engaged in the cultivation of vegetables under glass, met with a loss of about \$5,000 to his greenhouses. The fire is supposed to have been of incendiary origin.

Lebanon, Pa.—B. Yost suffered a severe loss by fire last week, losing not alone his greenhouses but also his home. The fire was supposed to be of incendiary origin. Loss \$5,000, with no insurance.

PATENTS GRANTED.

939,539. Pipe Coupling. Frank C. Parlow, Detroit, Mich.

939,592. Sash Bar Construction for Skylights in Greenhouses. James F. M. Farquhar, Boston, Mass.

939,740. Fruit Packing Device. Franklin B. Pease, Rochester, N. Y.

939,765. Rotary Lawn Rake. Charles Walte, Louisville, Ky.

939,926. Lawn Mower Trimming Attachment. Henry Smith, Bellingham, Wash.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1900 2 1/2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1900 3 1/2 " " "	5.25	120 " " "	4.20
1900 4 1/2 " " "	6.00	60 " " "	3.00
2000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
900 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 12 " " "	3.60
190 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

American Flower and Tree Tub.

No.	Top.	Deep	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodenware Mfg. Co.
TOLEDO, OHIO



DREER'S

Florist Specialties.

New Brand - New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch, per ft., 15 c.

Reel of 500 ft., " 14 c.

2 Reels, 1000 ft., " 14 c.

3/8-inch, " 13 c.

Reels, 500 ft., " 12 1/2 c.

Couplings furnished.

HENRY A. DREER,

714 Chestnut St., PHILADELPHIA, PA.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly

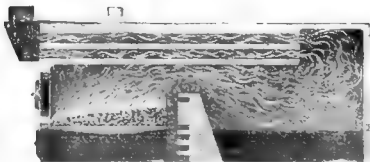
See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

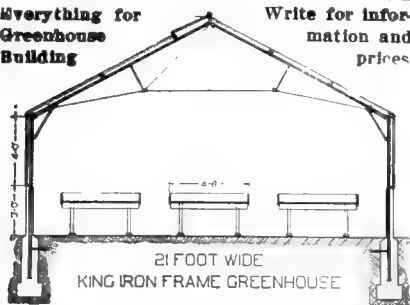
Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Everything for
Greenhouse
Building

Write for infor-
mation and
prices



In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.



The Advance Ventilating Machine

is made of the best material.

It is neat, strong.
It is compact.
It is unexcelled.
It is powerful.
It is mechanically built.
It is easily operated.
It has no wearing parts.

Ask a florist who owns one
and see if it isn't highly recom-
mended to you as being the best
machine on the market. Write
for prices. They are very rea-
sonable. We can save you money
and give you better, or best for
the same.

The Advance Co.
RICHMOND, IND.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

GLASS

Our Specialty

Can interest you with our prices all the
time; we ask you to write us.

"Result," "Satisfaction."

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND
AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

S. JACOBS & SONS

1359-1363 Flushing Ave., BROOKLYN, N. Y.

MANUFACTURERS OF

GREENHOUSE MATERIAL — VENTILATING APPARATUS — PUTTY
JOBBER IN **GREENHOUSE GLASS — BOILERS — PIPE — FITTINGS**

We carry on hand everything necessary for the complete Erecting, Heating, Ventilating or
Repairing of Greenhouses. Let us quote you.

Write to us about your
Material and Plans
for any size and style of
GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

**GREENHOUSE CONSTRUCTION
LUMBER**

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

GEO. B. DOANE & SON CO.

18 Midway St., Boston, Mass.
Telephone, Main 4419

FLORICULTURE



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Complete Home Study Course in practical Flori-
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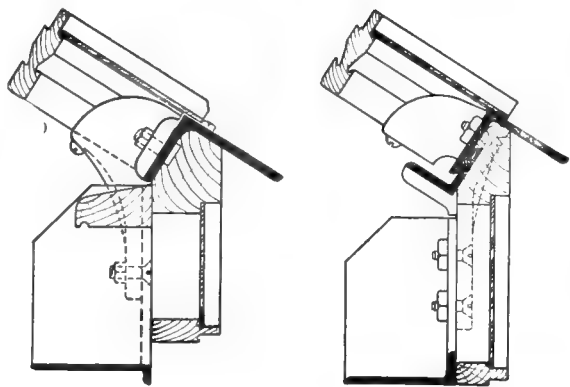
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Vol. X NOVEMBER 27, 1909 No. 22



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EASTERN NURSERIES

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Notes From the Arnold Arboretum

Next to *Vitis* and its allies the most important genus of vines is *Clematis* of which already several new species have been mentioned in previous issues. The most beautiful of all the new forms of this genus is undoubtedly *Clematis montana* var. *rubens* differing from the type of the species which has been in cultivation since a long time in its larger and rosy red flowers produced in great profusion during the summer; also the leaves and the stem are tinged more or less purplish; the leaves are trifoliate with ovate, long-pointed leaflets furnished with a few large teeth. Another new variety is *C. montana* var. *Wilsoni*, distributed first by Veitch as *C. repens*, but the true *C. repens* is quite different and not in cultivation. The var. *Wilsoni* has pure white flowers, like the type, but they are much larger, measuring two to three inches in diameter, and it flowers in August instead of in spring, which much enhances its value, as not many shrubs are in bloom at that time. Another new variety is *C. montana* var. *sericea* with pubescent leaves and large white flowers. A very striking and distinct new species is the evergreen *Clematis Armandi* with long-stalked dark green trifoliate leaves and white flowers, rosy pink on the back and nearly two inches in diameter, borne in large axillary panicles; the leaflets are ovate-lanceolate, from four or five inches in length and quite entire. *Clematis Gouriana* has pinnate leaves with five ovate leaflets from two to three inches long, entire or with a few teeth and green on both sides; the petioles and the young stems are purple; the white flowers are small, but appear in great profusion in large panicles. In regard to *Clematis eriopoda* mentioned in the issue of July 3 I may add here that its correct name is *C. tangutica* and *C. eriopoda* only a synonym of it.

A very handsome and ornamental vine is *Polygonum multiflorum* figured in the issue of October 23; it is very similar to the better known *P. baldschuanicum*. Another closely related species is *Polygonum Auberti* from Tibet with smaller leaves and slenderer panicles of white flowers.

An interesting new climber is *Schizandra Henryi* closely related to *S. chinensis* which, though in cultivation since some time, is still little known; it is particularly handsome in autumn with its drooping elongated clusters of bright scarlet fruits. *Schizandra Henryi* differs in its larger leaves, from three to five inches long and of thickish texture, and in the longer fruiting racemes.

With the large white bracts surrounding the flowering corymbs *Schizophragma integrifolia* presents a striking picture when in bloom; it is chiefly distinguished by its entire leaves from the Japanese *S. hydrangeoides* which is still rare in gardens, the plants found under this name in cultivation being usually *Hydrangea petiolaris*. The large bract-like sepals of the sterile flowers which surround the broad corymbs of *S. integrifolia* are from two to three inches long and the ovate leaves measure from four to seven inches in length.

Of more botanical than horticultural interest seems the new *Aristolochia heterophylla* with rather small flowers similar to those of our native *A. macrophylla* (*A. Siphon*) and with variable, partly three-lobed, partly entire and ovate leaves from three to six inches in length.

A number of other new Chinese vines have already been mentioned in previous issues as: *Actinidia*, *Clematoclethra*, *Periploca*, *Paederia*, *Celastrus*, *Lonicera* and *Rubus*.

Alfred Rehder.

The East and the West

As HORTICULTURE is becoming a national paper and will soon have a wide circulation in the west as well as in the east, it is well to note the conditions of the two sections and the class of stock adapted to different locations. The climate of the Atlantic states is entirely different from that of the great middle west, and many things which can be successfully grown in Massachusetts are utterly worthless in Nebraska. I think at times, after repeated failures, that there is a sort of aristocracy in some plants. They had rather die than live in "the wild and woolly west." At any rate, many of them do die. I have spent thousands of dollars in finding out what I could not do, and the record of my failures ought to be a valuable asset to the public.

Now let us examine into the causes. The air of Massachusetts is much more humid than that of the Middle West. Added to this, in the summer we will have the mercury up to 100 and over and the south wind blowing like a blast of a furnace. I have had beautiful white pines scorched to death by these American siroccos, and at times you could smell the prairie grass as it was cooked and dried by the fierce heat. We do not have these hot winds every year. But they are sure to come—perhaps once in five or ten years they are sure to wipe out the "tenderfoots." We have not only the summer drouth but that of the winter also. While your atmosphere registers 90 degrees of moisture, ours on beautiful clear days will go but 55 or 60. Now when trees and plants are frozen and the dry air is pumping away at the tops it is hard on tender things. I have watched a fine strong Concord grape vine in beautiful February weather kill down an inch a day, and the condition which gives strength and joy to the people is death to many plants. So it is that millions of dollars in the West have been wasted by following instructions taken from Eastern publications. The most beautiful catalogues, garden manuals and nursery books are published in the East. They are all right for the Atlantic States, but their directions are of little use west of the Missouri river.

Most of those beautiful publications are so winning and fascinating that they are taken in as the true and only gospel of beauty. Every spring orders for impossible things pour into our western nurseries and the proprietors are snubbed because they are so behind the times and don't keep up with the procession. Alas, they have been there before and have found to their cost what cannot be done. Nevertheless people are bound to have these things, and send for them to celebrate their funeral within a year. For instance the broad-leaved evergreen azaleas, rhododendrons, kalmias and hollies must have a moist climate. Planted out on our prairies the tops are sucked dry and they are killed to the ground. In sheer desperation, not to be whipped, I bought one thousand of these beautiful shrubs and built a good screen over them to save them from the drying sun and hot winds and then I irrigated them when needed, and everyone under the best of care was dead in a year. Nevertheless the pictures in eastern catalogues are as alluring as ever and people will send on just the same.

C. S. Hammon

York, Neb.

British Horticulture

A SWEET PEA LIST

A very useful list has been published by the National Sweet Pea Society, giving the leading varieties in commerce, and their distinctive tints. This authoritative selection should be exceedingly helpful to those cultivators who are perplexed at the multiplicity of sorts which crowd the pages of the trade catalogues. The list is as follows: White, Etta Dyke, Nora Unwin, and Dorothy Eckford; crimson and scarlet, The King, King Edward, and Queen Alexandra; rose and carmine, John Ingman, Marjorie Willis, and Prince of Wales; yellow and buff, Clara Curtis and James Grieve; blue, A. J. Cook and Lord Nelson; blush, Mrs. Hardcastle Sykes; cerise, Chrissie Unwin and Coccinea; pink, Countess Spencer and Prima Donna; cream pink, Constance Oliver, Mrs. H. Bell, and Queen of Spain; orange shades, Helen Lewis, St. George, and Miss Willmott; lavender, Frank Dolby, Mrs. C. Foster, and Lady Grizel Hamilton; violet and purple, Rosie Adams and Duke of Westminster; magenta, Menie Christie; mauve, the Marquis and Mrs. Walter Wright; maroon and bronze, Black Knight and Hannah Dale; picotee edged, Elsie Herbert and Mrs. C. W. Breadmore; striped and flaked (red and rose), Aurora Spencer, Yankee, and Jessie Cuthbertson; striped and flaked (purple and blue), Prince Olaf; fancy, Sybil Eckford; bicolor, Mrs. Andrew Ireland and Jeanie Gordon; marbled, Helen Pierce. The floral committee of the society have also issued a list of "too-much-alike" varieties.

CHRYSANTHEMUM NOVELTIES

Although the trade growers were strongly represented, there was a falling off of both as regards the quality and the quantity of the competitive section at the November show of the National Chrysanthemum Society at the Crystal Palace, Sydenham. The numerous visitors, however, found much that was new and interesting amongst the various stands, indicating the continuous activity of the British and continental hybridists to add to their meritorious lists of triumphs. A complete list would occupy too much space. I must content myself with a selection of the leading novelties. Shanklin Sunshine is a new comer from the fertile Isle of Wight. It is a bold exhibition bloom of a very rich golden-yellow. Amongst the whites, White Queen, from the same raiser, attracted considerable attention. The spotless, snowy blooms are borne on stiff stems, and the plant is evidently a vigorous grower. A first-class certificate from the National Chrysanthemum Society, and an award of merit from the Royal Horticultural Society has been received. There is no dearth of good yellows. One of the newest is Yellow Mrs. Charles Beckett. This is a clear primrose sport, with somewhat broader florets than its white parent, and will evidently prove very useful for the show benches. Empress is an imposing canary yellow incurved Japanese bloom, with broad, loosely formed florets. David Ingamells, named after a well known Covent Garden florist, is a mid-season market variety of a nice rich yellow, with excellent points as a commercial variety.

SOME ATTRACTIVE TINTS

Leviathan, aptly named, is a big Japanese bloom, of a creamy-white tint, striped with pink, the florets being long and straight pointed. The delicate shading of silvery-rose in the drooping florets of Miss Lilian Hall attracted many admirers. Another pleasing combination was seen in Beecham Keeling—amber, shaded

with cinnamon red. George J. Buzzard has a taking shade of wine red, with broad, straight florets. Of a similar color is Keith Luxford. On more than one stand was to be seen Lady Letchworth, a shapely, incurved Japanese variety, the broad florets being of a bright golden hue, with a canary yellow reverse. Amongst the new sports Mrs. W. Iggulden is likely to find considerable favor. This is a sport from Madame G. Rivol, the reflexed florets having a rich yellow tint. Dreadnought resembles Reginald Vallis; the long florets are of a pleasing shade of ruby-rose. Captivation partakes somewhat after Bessie Godfrey, the full flowers being of a soft yellow shade. Single chrysanthemums are now enjoying increased popularity. This is largely due to the many new developments made amongst this section. The later additions include Bessie Payne, a graceful flower of a bright pink hue; Sylvia Slade, a rosy garnet, with a white ring around the disc; White Pagram, an interesting sport from the rose-pink Edith Pagram; Miss Mary Pope, a decided acquisition amongst the pinks; and Cissie Jervis, which is of a canary-yellow tint, shaded towards the edges with apricot bronze.

ITEMS OF INTEREST

"The British Fern Gazette" is the latest addition to horticultural journalism on this side. It is edited by Mr. C. T. Drury, F. L. S., a well known expert.—The carnations raised by the late Mr. Martin Smith, for many years president of the National Carnation Society, are being distributed by Mr. C. Blick, of Hayes, Kent.—Mr. Seaton, after a three years' course of instruction at the Royal Horticultural Society's gardens, has been appointed by the British Columbian Government to superintend one of its parks.—The partnership which has existed between Messrs. W. Bull and Edward Bull, nurserymen, Chelsea, has been dissolved owing to the ill-health of the first-named. The business will be continued by Mr. E. Bull.—A lady florist has been appointed to superintend the table decorations of the new Lord Mayor at the Mansion House in London.

London.

W. H. Adsett.

Adiantums in the South

This class of ferns is very much in demand both in cut fronds and in pots and pans from small fernery sizes up to large specimens, and at times the supply runs far short of the demand. For cut purposes *A. hybridum* and *A. Croweanum* are chiefly grown. These varieties also make fine pot plants. *A. magnificum* is the leader for ferneries and table decorations. It is hard to overpraise this variety. As a house plant it always gives satisfaction to the purchaser. Its chief business seems to be to keep on growing no matter how it is maltreated. It is also about the only variety outside of *A. Farleyense* that will keep in any kind of shape during the hot summer months. *A. capillus-veneris* is losing favor. The fronds of this variety are so short and dense that it requires careful watering to prevent the foliage from damping off. *A. cuneatum*, relegated to the background on the introduction of *A. hybridum* and *A. Croweanum*, is once more coming into its own and for design work is far ahead of either. *A. Farleyense* holds first place as a fancy, and grows readily when given proper care. Dur-

ing summer this variety should stand on the bare boards or on inverted pots. Indeed all adiantums are better in summer on the bare wood than on ashes. *A. giganteum* is a variety that ought to be in more common use. So far as the writer knows, it is found only in one of the Bahama Islands and in Hernando County, Florida. In the latter place it grows on the sides of a deep pit or cave which always has lots of water at the bottom. The fronds grow to an immense size and the stems measure from $2\frac{1}{2}$ to 3 ft. It grows very easily, stands quite a lot of sun and with liberal treatment makes a very fine specimen.

A good potting material is made by adding about one-third of leaf mould to the soil and also a small percentage of sand or charcoal screenings. Where leaf mould can not be obtained add enough sand and charcoal to make the mixture light. Provide plenty of drainage and pot firmly taking care not to bury the crowns. When planted out for cutting a good friable loam with the addition of a little old manure will answer very well.

Adiantums, with the exception probably of *A. Farleyense* and *A. magnificum*, require a long rest in summer and it is useless to try to make them grow then. The old fronds should be cut off, the pots placed close together on the bare boards and just enough water given to keep the crowns alive. In September they can be repotted or shook out and put back in the old pots. Water sparingly until they are well started. When well established a watering with liquid manure once a week will be beneficial. A night temperature of 55 degrees is sufficient except for *A. Farleyense* which should be a few degrees warmer.

Snails, shot bugs or wood lice, mealy bugs and the larvae of a night-prowling moth or butterfly are the chief insect pests and all have to be guarded against. A little air-slacked lime scattered on the benches between the pots will generally be sufficient to banish the snails, and bran mixed with enough paris green to change the color and spread on the benches will soon finish the shot bugs. Mealy bug generally attacks only the large specimens. Turn the plants on their side and syringe with a fine spray but good pressure and do it early in the day. The larvae of the moth are the hardest problem and the amount of damage they do in the south is incalculable. The plants, too, should be dusted regularly with pyrethrum powder or slug shot at least once a week, but the slug shot must be used sparingly or it will burn the tender foliage. Keep this up until cold weather sets in.

Robert Lockerbie

New Orleans, La.

Water Scenery In the Garden

The treatment of the banks of sheets of water in a garden is of so varied a character that a brief description of the subject is beyond the scope of a gardening journal, and I propose only to take the one to be commonly met with in gardens on level land, and to leave rock work, formed of Alpine gardening and subtropical gardening to some future time.

The water scenery is, or should be, something apart from the rest of the garden, and for that reason it ought to be differentiated in its nature. Few owners of gardens desire to have the ornate work of the flower gardener to extend over the whole of the so-called "pleasure ground," but they do enjoy the repose afforded by the fresh green of smooth turf, relieved here and there, perhaps, by small groups of not too obtrusive flowering

plants and shrubs, and of the more ornamental trees of moderate growth. A considerable amount of restraint is therefore a necessity on the part of the planter, and the natural, rather than the artificial, should be the predominating character.

Assuming that the area of water is of small extent, low growing plants should be those chiefly employed more especially on the south, southwest and southeast sides, otherwise the surface of the water would be deprived of its main feature—its brightness, under the sun's rays. There are numerous plants, perennial for the most part, which might be selected for enlivening the immediate surroundings, if a plain sward be not preferred. I may mention a few of these, viz., *Aster amellus* in variety, and especially Perry's Favorite, of a pleasing red tint, the only one yet raised; *A. Fremonti*, excellent for early flowering; hardy, very floriferous, and not particular as to the nature of the soil, providing it is not too moist. The plant forms caespitose tufts of dark green leaves, from which stems arise about 10 inches high, surmounted with blossoms 3 inches in diameter, violet with a yellow disc; *Astilbe Davidii*, a plant having erect stems 3-4 feet in height bearing panicles of purplish red flowers. It does well in partial shade and a moist soil. The *Aubrietias* are capital plants of pleasing tints for forming masses; and *A. tauricola alba* is a compact growing variety with white flowers. The *campanulas* offer many beautiful plants for planting in masses, and *C. glomerata acaulis* is one of the best. *C. hybrida Fergusoni* is an excellent variety, said to be a cross with *C. pyramidalis*. It possesses tall slender stems that are furnished with closely set flowers of a light blue tint. The varieties of *C. persicifolia* with blue or white flowers, are very desirable. The newer *delphiniums* make grand masses of color. *Dielytra spectabilis* and its variety *alba*. *Gaillardias*, invaluable plants for grouping, having large flowers, brilliant in coloring, of which the variety *Beauty* is one of the best; but there are many others worth planting; as are also the *Incarvilleas*, *Delavayi*, *compacta* and *grandiflora*—all quite hardy in temperate climates, and bearing handsome flowers. The *N. American Lithospermums Tweedii*, *L. canescens* and *L. Gastoni*; the second having clusters of tubular flowers of a deep orange tint, are very decorative. *Pentstemons* in variety, especially *P. heterophyllus*—a very floriferous plant, with blue flowers. *Phlox Laphami*, a superior variety of *P. canadensis*, much finer than the type, and having flowers of the color of *Plumbago capensis*. The *tritomas* are capital waterside plants, handsome in flower and leaf.

The above list offers a number of uncommon species and varieties of an ornamental character, which are adapted for planting in irregular masses—small or large, according to space and taste; and coming into bloom at different seasons. They differ in various points from the ordinary class of bedding plants, and for that reason they are desirable for this special garden feature—the decoration of the banks of lakes and streams. The list of such hardy perennials is very extensive, but some of those named are among the most recent introductions to gardens on this side of the Atlantic, and are being eagerly sought for.

Deciduous and evergreen species of trees and shrubs of suitable dimensions are to be found in any good nursery list, and no useful purpose would be served in giving names here.

Frederick Moore

London, Eng.

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National Flower Show preparations

Ground having now been broken on the preliminary work for the National Flower Show to be held at Boston in 1911, rapid progress on the project may be looked for. March, 1911, seems a long time ahead but it is none too long in which to properly prepare for a show such as the country has reason to expect, considering the location selected and its great horticultural resources. We understand it to be the plan of the committee on schedule to proceed immediately with the prize list for plants and such other material as may call for a long time in which to prepare. This plant schedule and the completion of the guarantee fund are the first essentials.

"By grafting a twig from a chestnut A Touchdown tree on an apple bough it is claimed that an apple was obtained inside of which there were three well-grown and well-flavored chestnuts."

Now what do you think of that? We clip it from the Nov. 17 issue of the *Seattle Daily Times* in an article by F. J. Haskin on the "Red Apple King of Fruits." Mr. Haskin naively remarks that this "must await the approving seal of some body of scientists" before being accepted as really truly true. He further mentions one famous horticulturist who has "so combined twigs from sweet and sour apple trees that he has produced a tree bearing apples sweet on one side and sour on the other!" In the face of all this stupendous advance on the part of the "famous horticulturists" of the limitless West the New England and New York apple growers might as well turn over their antiquated Baldwins and Greenings to the brown-tail moth. These wizards have us beaten to a frazzle.

The best blessing

Another Thanksgiving Day is here with its gladness and bounty. Whatever may have befallen us of disappointment or adversity in the course of the year just passed, there are very few of us who cannot look back and find in our experiences since last Thanksgiving Day very much to feel grateful for, very much that we shall love to cherish in memory, very much to encourage and inspire us to face the unforeseen troubles and joys that await us in the months to come. HORTICULTURE, looking backward over the busy twelve months, and weighing the bitter against the sweet, finds the latter far outbalancing the former. Old friends have never wavered, new ones continue to multiply, and "the smoke goes up the chimney just the same." Our appreciation and gratitude go out in full measure to all who have favored us with their kindly good-will.

"It is a good thing to be rich and a good thing to be strong, but it is a better thing to be beloved by many friends."—*Enripides*.

Climatic observations

Our good friend and observant lover of nature, C. S. Harrison, has given us in this issue a very clear idea of the climatic differences existing between the Atlantic coast and localities in a corresponding latitude

in the Middle West and the horticultural disadvantages which the people of the latter have to contend with. He might go farther and find a still greater variation on the Pacific Coast. It is probably a wise and beneficent provision of Nature which gives us these dissimilar conditions in rain fall, temperature and other factors which so largely control vegetation but we cannot resist the conviction that the acts of man, wise or unwise, have much to do with some of these phenomena. Certain parts of Florida, once regarded as immune against injurious frosts, are no longer immune since her vast forest protection has been destroyed. On the other hand is it not likely that the gigantic irrigation operations which are turning the western deserts into a verdant and fruitful empire may, in conjunction with the new balance of verdure and forest growth, so modify in due time the severities of the weather of the prairie countries that things now impossible may yet become practicable? Man cannot change the order of the seasons, nor latitude, nor gulf stream, but he can preserve and extend forest growth and, outside of fixed physical conditions, there is no one factor which has so much to do primarily in modifying climatic extremes and conserving the comfort and well-being of humanity as the forests have. Mr. Harrison's articles will be continued in later issues.

Codiaeum

These well known hothouse evergreen shrubs are popularly known as Crotons. Botanists, however, tell us that they are quite distinct from that genus, belonging to a different section of Euphorbiaceæ. About three or four species are known to exist, notable among which is *C. pictum*, from which many of the garden forms have originated. Codiaëums, as decorative plants, have few equals. Mixed with a few graceful palms, and ferns, a very imposing group can be made and a well grown specimen also looks well alone. As table plants they are among the best we have, especially the narrow leafed varieties, if grown about a foot high, in a five or six-inch pot.

Codiaëums are of easy culture and, after being established in pots from the cutting bed, there is no need of the humid high temperature they are so often subjected to. These, along with many other tropical plants, have been made unpopular by the sweatbox mode of cultivation. I have heard an employer more than once say, "Oh, yes, they are beautiful, but they are grown in too uncomfortable an atmosphere to be enjoyed."

Cuttings can be rooted, in three to four weeks, in a case, with a top and bottom temperature of seventy. Let them get dry at the roots before transferring to pots. This treatment firms up the young roots, making them less liable to damp off when put in soil, which, for a first potting, should be about equal parts of loam, leafmold, and sand with some charcoal added to keep it sweet. If a large specimen is desired quickly take an old plant, with a top that has a good few breaks on it and girdle the stem close to the lower breaks, and put a three-and-a-half-inch paper pot on it, covering the girdled part about an inch in a mixture of loam, sand and sphagnum moss. It will be well rooted in about a month and, before removing from the old plants, it is better to have it well established in a five-inch pot, using

plenty of loam in the mixture for this shift. When well rooted in this pot, dry off the old plant quite severely, allowing all the moisture for the top to be derived from the pot around the girdle. By this mode of treatment no leaves need be lost when it is severed from the old plant. If this method of propagation is used it is astonishing how large a specimen can be had in a very small pot.

Each year, as the plant increases in size, it is better to prune the shoots back an inch or two, care being taken, however, to keep the plant evenly balanced. We find the end of January a good time to do this. After they break well repotting is in order, and we use a good fibery loam, to which has been added about a fifth part of manure, and to every shovelful of loam a handful of bonemeal. It is a good plan to sterilize the soil as this kills all the eggs of scale and mealy bug—two pests that are very fond of Codiaëums. Red spider, another pest, that comes in mostly through the ventilators from outdoor trees, can be kept down by frequent use of the "Stott nozzle" on the end of the hose on bright mornings. I don't believe in having the foliage wet over night, as one is apt to loose a good many leaves by doing so. We find that sixty to sixty-five is a good winter night temperature, putting on air in the morning as soon as the glass reaches seventy. We give no fire heat from June until about the middle of September and on bright days have the ventilators full open and during that period do not close them tight at night. By this treatment one gets a nice firm short-jointed growth, and when used for decorative work they stand it a great deal better. When in vigorous growth Codiaëums enjoy frequent waterings with liquid manure; some varieties will stand more than others and one has to be careful with the one he is acquainted with.

Shading, enough to break the direct rays of the sun, is necessary from March until the end of September. It is a good plan also, to stop giving stimulants at this time of the year, giving plenty of air, and allowing the plants to get a little drier at the roots before watering. This treatment helps to finish up the season's growth, and has a tendency to bring out the brilliant red colorings on these varieties that are popular with the florists around Christmas.

Good large-leaved varieties to grow are Andreanum, Baron Rothschild, Challenger, Czar Alexander III, Dayspring, Edwin Lonsdale, Evansianum, Earl Derby, Heroicus, Queen Victoria, Reidii, Stewartii, Thomsonii, Undulatum, Veitchii. Narrow leaved varieties: Angustifolium, Chelsonii, Dodgsonæ, Golden Ring, Interruptum, Johannis, Lancifolium, Majesticum, Mrs. Dorman, Prince of Wales, Warrenii, Weismanii.

George F. Stewart

West Medford, Mass.

OUR ANNUAL SPECIAL

Will be Issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

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CLIANTHUS DAMPIERI AND C. PUNICEUS.

As most gardeners know, these species of the Glory Pea natives of Australia—are very showy inhabitants of the cool greenhouse. They are of moderately easy culture when planted in a mixture of two-thirds turfy loam and one-third hard peat, with a small quantity of sand to afford porosity. When grown to a sufficiently large size, no more shifts should be afforded into larger pots; but every second year the plants should be removed from the pots in which they have been growing and the balls reduced by about one inch all round, and the roots at the bottom disentangled with care, and the strongest cut back moderately. This operation is best performed in early spring, or at the time when growth is about completed, but when there is enough solar warmth to promote root growth. The work of repotting should be carried out with a moderate amount of firmness and with a potting stick or rammer. The plants thus treated are the better for being housed forthwith, and supplied moderately with moisture at the root and afforded an overhead sprinkling in the afternoon if the weather has been sunny.

C. Dampieri has a prostrate habit of growth, and shows to the best advantage when grafted on C. puniceus, a hard-wooded, erect-growing species, or on Colutea arborescens, an allied Papilionaceous species, having a similar habit. On the last named stock the grafted plants make fine ornaments in a few months, of two feet or more in diameter and come into bloom a week or two sooner than those grafted on C. puniceus. They flower very abundantly on Colutea, but in regard to the size of the flowers these do not equal those on C. puniceus. Cultivators who may wish to have flowering plants in the summer till winter arrives, should graft C. Dampieri on both stocks. Seeds of the stocks, and of the named species should be sown simultaneously in pans—those of the stocks at a good distance apart. As soon as the characteristic leaves appear grafting may be commenced, and the best method is by cleft grafting, the stocks being cut in wedge form, and the scions split upwards so as to fit them saddlewise. The knife must be thin and very sharp. It is scarcely possible to place a ligature around the point of union, nor is it required. When the union is completed the plants should be placed in pots of two inches in diameter, using coarse leaf mould and sand, and be further repotted in five or six-inch pots when established. Good drainage with crocks is essential at all stages, as is likewise much moisture in the air. It is well to sink the pots during the summer in a bed of fine gravel, coarse sand, or finely sieved coal ashes. A white flowered form of C. puniceus is in commerce

FREDERICK MOORE.

AGAVE NEGLECTA IN FLOWER.

The accompanying picture shows one of three Agaves neglecta (century plants) in flower by the side of the villa of Mr. E. Rollins Morse at Newport, R. I. These three are in a batch of eight plants which have been on this place the past eight years, and all are probably about fifteen years old. They began to show their flower stems early in June and had not opened all their flowers October 18, when this picture was taken. The stem of the plant shown in the picture



is twenty-two inches in circumference near the base and its height is thirty-two feet six inches. D. J. Coughlin, the gardener in charge here, informs us that no special treatment has been given those plants with a view to induce them to flower, except that they have never been watered other than by the rains that fell on them. And the vigorous and healthy condition of all this batch proves that this is all the moisture they require. Mr. Coughlin is in the picture standing up on the tub.

J. R.

Reports on nursery trade from Indianapolis are to the effect that a very large amount of fall planting is being done this year, of shrubbery and hardy ornamental material generally.

JACK ROSE DAHLIA.

So much has been said pro and con about this dahlia that I feel in duty bound, to at least, try to clear the atmosphere.

In the first place, instances have been brought to my notice where a distinctly different variety was sold for Jack Rose; also the old question of properly growing and handling the blooms has a great deal to do with Jack Rose dahlias as with any other flower. Last fall Jack Rose was condemned by a great many who had seen flowers from certain sources, and on seeing blooms grown by us could hardly conceive them to be the same variety.

Jack Rose was certified by the Pennsylvania Horticultural Society after having been critically examined and passed upon by expert committees at both the September and October meetings. It was then pronounced the finest crimson dahlia on the market. Several of the leading catalogue firms who are most exclusive and always insist on trying varieties out on their own grounds, waived this "try-out" after seeing the cut blooms in the open market and the dahlia growing on our place, and listed Jack Rose as the finest crimson florist dahlia in existence.

Now, after another year's growing, during which we had several acres, we can only add to the praise extended by us last year. It was the healthiest plant we had on the place, the first to get into bloom, and every flower was perfect the entire season; which, in our location, was a most trying one, owing to the extended droughts throughout the season. True the stems were not so long as they should have been, but were as long as Sylvia, recognized by all as a first-class flower with good stems, and later in the season Jack Rose stems averaged longer than many of the recognized standard varieties.

Almost every special order for cut flowers included Jack Rose. In justice to the many florists and seedsmen who have stocked up on Jack Rose, it is only fair to say that no attention should be paid to detrimental remarks made by inexperienced growers, or even experienced growers, who only know the variety after one year's experience under adverse conditions, in the face of the perfect flowers produced by competent growers under the conditions—probably the worst season we have experienced in the last 25 years, with the exception, perhaps, of 1895.

Another thing not to be forgotten is the forcing quality of Jack Rose, which is even today placed on the market and sold at prices far above chrysanthemums, as it has that brilliantly rich crimson that appeals to all, and cannot be found in the chrysanthemum; a decidedly richer shade than found even in the "Jaquemiot" rose. Perhaps one of its best qualities is largely responsible for the criticism of the color, and I wish to say most emphatically that it does not bleach one-fourth as badly as Lyndhurst, and yet Lyndhurst is the standard vermilion scarlet. Lyndhurst is inclined to show the open center if allowed to get old enough to fade, and the Jack Rose continues to un-

TWO GOOD DAHLIAS.



DAHLIA GEISHA

The varieties of Peony-flowered dahlias shown herewith are among the most satisfactory of the last sea-



DAHLIA BERTHA VON SUTTON

son's introductions. Bertha von Sutton is a fine tint of pink; Geisha is bright red and yellow. Both are

vigorous, profuse blooming, large flowered varieties, representing the best type of the peony-flowered section.

fold for days until finally there is nothing left at the center, this being absolutely full, and even then the petals which have become somewhat bleached can be removed and it is still a perfect flower. If Jack Rose blooms were cut in the same condition and with the same regularity as Lyndhurst, there would be no complaint that the color was not everything that could be desired. The only criticism made on Jack Rose has been length of stem and color, and, as I am only answering the criticism, I am not extolling the other merits of the flower.

Last spring W. C. Ward, Quincy, Mass., wrote me after Memorial Day, that Jack Rose was not only the best, but the only perfect cut-flower dahlia; that if it had a single fault he did not know it, adding—"we are getting \$1.50 per dozen for the blooms and cannot supply the demand." In conclusion I would simply quote a news item from Boston, Mass., under date of November 13th: "C. W. Ward of Quincy, is still sending to market some excellent Jack Rose dahlia blooms, which Thos. Pegler says are sellers."

L. K. PEACOCK,

Berlin, N. J.

SOME NEW SHOW CHRYSANTHEMUMS.

During the present season, which has not been so favorable to the chrysanthemum as some, we have had several opportunities of seeing some of the best of the most recent English productions in new chrysanthemums. They are as a rule presented in rather better form than the new French varieties. These latter when first shown

by the raisers on the Continent are lacking in the quality we know as "finish" and are often coarse and wanting in depth.

At Messrs. W. Wells' nursery many of the novelties are Australian seedlings sent over to England for trial. If they do well they are named and distributed and among some of the best at the time of our visit late in October, we noted Mrs. R. Luxford, a Jap. of medium size suitable for market purposes. It has long drooping florets, forming a globular flower, and slightly twisted at the tips; the color is golden chestnut with reverse of old gold. Alice Lemon is a grand Show flower of the typical Japanese build, large and spreading with an immense length of floret. The florets are drooping and of medium width. The color is rosy blush. H. W. Thorpe is a noble Incurved—a perfect flower of its class; petals regular, of good substance and finely imbricated. Color pure white. Bessie G. Payne is one of the heavily built types of Japanese with broad, grooved florets of considerable width. The flowers are deep and globular and very solid. Color inside of florets golden chestnut, reverse deep gold.

At Messrs. Cannell's many of the novelties are of French origin, principally Calvats. We noted here some fine additions to the show type, of which Hon. Mrs. Lopes is a grand example. An immense spreading Japanese with petals of great length, and curly at the tips; color, canary yellow. Mrs. F. W. Duck—A Japanese, very close and compact in build, florets of medium width; color amber, shaded pale purple, center golden. Hamilton

—An Incurved of colonial origin. A large flower with medium florets; pale lilac mauve, reverse silvery pink.

In W. J. Godfrey's stand at the N. C. S. show, we specially admired the following: Acquisition—Jap. with very long drooping florets. Blooms solid and deep in build with medium sized florets; color amber yellow. Laura Hill—A massive Jap.; color orange terra cotta. Mrs. Arthur Arnold—Jap.; rather broad florets slightly incurving; pale golden yellow. Mrs. W. Iggulden—A sport from Mme. G. Rivol. Florets rather stiff and intermingling; golden yellow.

Mr. Norman Davis showed grand flowers, probably the best in the show. They were Yellow Mrs. Chas. Beckett—A huge Japanese with broad florets; color clear primrose. Mary Poulton—A most attractive Jap. of the show type; color shell pink. Miss Lilian Hall—Broad incurving floret, forming a Japanese show bloom of the largest dimensions; color silvery rose. Henry Poulton—Jap., a deeply built bloom; color crimson. Mrs. Robt. Brown—A fine show Jap. with broad florets; deep yellow suffused with chestnut red.

At the meeting of the N. C. S. Floral Committee on the 3rd of November, there were several good show flowers staged. The under-mentioned were particularly fine: G. Hemming—Jap. of large size, long drooping florets; a closely built flower; color amaranth, reverse silvery. Francis Joliffe—An immense Jap.; florets very long and rather broad; centre golden yellow, passing to straw yellow towards the tips, shaded rose.

C. HARMAN PAYNE.

NEWS OF THE CLUBS AND SOCIETIES

THE NATIONAL CHRYSANTHEMUM SOCIETY, LONDON.

The great annual show of the National Chrysanthemum Society, took place on November 3-5, at the Crystal Palace. As is usual on the occasion of a large show of any kind, the area in front of the great organ—which forms a part of the central transept, was utilized, and the general effect was charming, and satisfactory likewise to the visitors, for the ease with which the flowers and plants could be inspected at close quarters.

There is always a desire to inspect the latest good thing in novelties and there was a considerable number of these. Then the miscellaneous groups of plants standing about in prominent spots on the floor and in which chrysanthemums of all kinds find a conspicuous place, were very good. One pleasing feature was introduced on this occasion worth mentioning, namely, prizes for chrysanthemum plants growing in 5-inch pots and therefore suitable as decorative objects in the dwelling and for market purposes.

In the open class for cut blooms of incurved chrysanthemums, the first prize for 36, fell to W. Higgs, Jr., of Fetcham Park. His best white was H. W. Thorp, the best yellow Mrs. B. Hankey; May Phillips was the finest yellowish-rose; W. J. Higgs the largest reddish bloom; Lady Isabel, pale blush; Clara Wells, yellowish pink.

In the class for 48 Japanese varieties T. Waller, gardener to H. C. Hammersley was the winner of the first prize. As winner of this prize, the exhibitor took also the Holmes' Memorial challenge cup, and the Dean Memorial gold medal. The finer varieties were Leigh Park Wonder, red; Mrs. A. T. Miller, white; R. Vallis, Mrs. Chalk, Mrs. R. H. Pearson, H. Perkins, Mildred Ware, President Viger, Geo. Mileham of 1908, Mrs. A. H. Lee, etc.

The president of the society offered a silver cup for the best 24, distinct, Japanese blooms, a prize taken by T. J. Brown, gardener at Gay's House, Holyport; his best varieties being Charles Tutt, Dr. Sharp, King of Crimson, Miss F. Lunn, Chevalier Damage, Golden Elise, etc.

In chrysanthemum blooms shown in vases the competition was not so good or so keen as usual.

Messrs. W. Wells & Co.'s prize for 6 blooms of Japanese varieties, distributed by this firm in 1908 and 1909, was awarded to Mr. Mease, gardener to A. Tate, Esq., Downside, Leatherhead. He had fine blooms of Rose Pockett, Pockett's Supreme, C. H. Totty, Mrs. L. Thorn, Merstham Blush and Leslie Morrison.

First class certificates were granted to Messrs. Wells & Co., for Mrs. L. Loxford, a Japanese variety of a chestnut-brown color; for Francis Jolliffe, straw yellow tinted with rose pink, and for Phosphorescens, bronzy-terra cotta. For Mr. J. H. Greswell Williams, a bright yellow, single flowered variety, shown by Mr. H. Tribe, and for George Hemming, a claret-colored Japanese, having a rosy tinge, the reverse of florets silvery sheen,

shown by Mr. G. Mileham, and for Mrs. Colles (single) of a crushed strawberry color, shown by A. W. Bird.

My readers will understand from the foregoing remark, that these apply solely to a very few of the most important features of this exhibition of the N. C. S.

FREDERICK MOORE.

NEW ORLEANS HORTICULTURAL SOCIETY.

The members of the New Orleans Horticultural Society were out in good force at the regular meeting on the 18th inst., this also being "chrysanthemum night." The committee appointed at last meeting to investigate and report on the new club house, reported progress and expected to have the deal closed by next month. To avoid any legal difficulties in this connection, it was agreed to have the society incorporated at once. One honorary member was elected and the members present agreed to try and bring more enthusiastic amateurs into the society as honorary members. The exhibition of chrysanthemums and roses while not very extensive was very choice.

M. Alost, the president, had American Beauty and Pink Cochet roses grown under glass. The stems, foliage and flowers were very fine and as this was Mr. Alost's first attempt at indoor culture he was warmly congratulated. John St. Mard had four varieties of chrysanthemums grown outdoors, very nice flowers, but a little lacking in finish. The Metairie Ridge Nursery Co. had about twenty varieties on exhibition, Mrs. Jerome Jones, Col. Appleton, T. Eaton, Nagoya, Golden Wedding and Buff Globe being up to the highest exhibition standard. Large vases of Bride, Bridesmaid and W. R. Smith roses were shown in fine form, the color of the Bridesmaids being superb. They also had a vase of fine American Beauties, the equal of anything coming to this market. Mr. Papworth gave a short interesting talk on the cultural methods adopted at his place. A large collection of blooms from outside were shown and the merits and demerits of each variety were freely discussed by the members present. A novelty here, the Dwarf Pearl tuberose, was also on the table from the same firm. These were grown in pots in the greenhouse and the flowers opened up nicely. R. Eichling had some fine long-stemmed Paper White narcissi, the first of the season. Mr. Eichling is very methodical in his work and he stated that these were in flower ten days earlier than last year. For the next monthly meeting it was agreed to have an exhibition of flowering and fancy-foliaged Christmas plants.

A committee was appointed to draw up a resolution of sympathy on the death of J. H. Menard, one of the charter members of the society, the same to be printed and a copy sent to the family of the deceased and also to each member of the society.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The official list of awards at the joint exhibition of the American Institute of the City of New York and the Chrysanthemum Society of America, Nov. 10-12, has been received.

Special Prizes.

Chrysanthemum Society of America Prize—10 blooms, one variety. William Turner, gardener to M. C. D. Borden, Oceanic, N. J., silver cup.

H. W. Buckbee Prize—12 blooms, 12 varieties American seedlings, Elmer D. Smith & Co., Adrian, Mich., silver cup.

J. C. Vaughan Prize—Specimen bush plant, W. H. Waite, supt. to Samuel Untermyer, Yonkers, N. Y., silver cup.

Stumpp & Walter Prize—10 blooms of Miriam Hankey, Wm. Duckham, gardener to Mrs. D. Willis James, Madison, N. J., silver cup.

W. Wells & Co. Prize—6 blooms Pockett's Crimson, Thomas W. Head, supt. to Morton F. Plant, Groton, Conn., gold medal. Harry Turner, gardener to Howard Gould, Port Washington, N. Y., silver medal. Francis Milne, gardener to E. H. Weatherbee, Mamaroneck, N. Y., bronze medal.

W. Wells & Co. Prize—Vase of 12 sprays, single varieties, Geo. H. Hale, supt. to E. D. Adams, Seabright, N. J., silver medal. Elmer D. Smith & Co., bronze medal.

F. R. Pierson Company Prize—12 blooms in 4 varieties, 24-inch stems, William Turner, gardener to M. C. D. Borden, Oceanic, N. J., \$10.00.

Charles H. Totty Prizes—6 blooms, one variety, introduction 1909, Thomas W. Head, 1st, \$15.00. William Turner, 2d, \$10.00.

Skidelsky & Irwin Co. Prize—12 sprays Pompon varieties, 12 varieties. Francis Milne, gardener to E. H. Weatherbee, Mamaroneck, N. Y., \$2.00.

Foley Manufacturing Co. Prize—Best undisseeded seedling, 6 blooms, William Duckham, \$10.00.

Traendly & Schenck Prize—Best vase 12 blooms, Col. D. Appleton, Charles H. Totty, Madison, N. J., \$6.00.

William Duckham Prizes—12 blooms 12 varieties, William Turner, 1st, \$10.00. N. Butterbach, gardener to C. N. Bliss Estate, Oceanic, N. J., 2d, \$5.00.

New York Florists' Club Prize—6 blooms seedling or variety never before exhibited in this country. Geo. H. Hale, silver medal. Thomas W. Head, bronze medal.

R. Vincent, Jr., & Sons Co., of White Marsh, Md., were given a diploma for collection of pompon chrysanthemums.

Thomas Proctor of Lenox, Mass., N. Butterbach, William Turner and John F. Johnston were the winners of the big prizes for twenty-five blooms one variety, thirty varieties one bloom each, twenty varieties do., and ten varieties do., respectively. On the balance of the regular schedule prize list the following names appear as winners of first premiums: William Turner, seven firsts; Harry Turner, five; Scott Bros., one; N. Butterbach, two;

Geo. H. Hale, six; Thos. W. Head, five; Francis Milne, five; Jas. Bell, two; A. Bauer, one; Wm. Duckham, one; C. H. Totty, one; W. Dowlin, one; W. H. Waite, three; Jos. Kennedy, one; Max Schneider, one. The judges were Eugene Dailledouze, A. B. Cartledge, Peter Duff, Wm. Nicholson, W. Wells and Alex. Mackenzie.

DETROIT FLORIST CLUB.

The annual fall display of the local florist club brought out a large exhibit, very good in quality and quantity which was well staged at the commodious quarters of the Michigan Cut Flower Exchange. On such occasions the club distributes certificates and the judges J. F. Sullivan, Herman Knope and Frank Danzer made the following awards:

To J. Breitmeyer's Sons first for collection of plants, specimen Boston fern, specimen Schoelzeli do., general display of carnations, bronze chrysanthemums, collection fifty blooms of chrysanthemums and double violets. M. Bloy first for cyclamens, primroses, Lorraine and Taft begonias, Whitmanii ferns, roses Rhea Reid, La Detroit and general collection and pink chrysanthemums. Chas. Distelrath first for chrysanthemum plants. Robert Klagge first for lily of the valley and single violets, Gus. Taepke first for white chrysanthemums, J. F. Sullivan first for yellow and Fred Pautke first for Bonnaillon. Honorable mention was given to Fred Pautke for collection of Pompons, seedling white Pompons and vase of lupins; to Robert Klagge for cosmos, Van Boeslager for wallflower, R. H. Ellis for O. P. Bassett carnation, F. Damerow for White Enchantress, Chas. Distelrath for assorted carnations, Van Boeslager for seedling "Clara" and "Marshall."

On roses, Mr. Klagge far outclassed every thing about the same as Breitmeyers outclassed in carnations. Another very good showing was made by J. F. Sullivan with yellow Chadwick. General interest was aroused through Van Boeslager's colored seedling carnations. The appearance of the former gave strong evidence of vigor and abundance.

FRANK DANZER.

CONNECTICUT HORTICULTURAL SOCIETY.

The November meeting of this society was held on the 19th inst., at the County Building, Hartford. Six persons were admitted to membership. Votes of thanks were extended to Arthur T. Boddington and the Stumpp & Walter Company, of New York, for their contributions to the success of the two autumn exhibitions of the society, by their offerings of special prizes. A short but very enthusiastic discussion ensued on the value and need of the parcels post. President Huss deplored the lack of this great public benefit, and spoke of the immense advance some of the nations of Europe have made over the United States in this respect. The secretary was appointed a committee of one to draft a set of resolutions, and bring them forward at a future meeting, expressive of the sentiments of the Connecticut Horticultural Society on this subject.

Alexander Cumming, Jr., our former

popular secretary, who was assistant to Peter Zuger in the horticultural department of Elizabeth Park, Hartford, and who has lately been employed on the Exposition grounds at Seattle, Wash., is to return to Hartford, having been appointed head gardener of the park mentioned, to succeed Mr. Zuger, who lately resigned and has become a professional florist and landscape gardener at South Manchester.

Our next meeting, set for December 17th, will be the annual meeting for the election of officers for the next year. The society is about to close one of the most successful years in its history.

GEORGE W. SMITH, Secretary.
Melrose, Conn., Nov. 23, 1909.

SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Retail Florists' Delivery Association.

Pursuant to action of preliminary meeting of retail florists held at Chicago, the following have been appointed a committee on organization of a Retail Florists' Delivery Association: J. A. Valentine, Denver, Colo. (chairman); Wm. F. Gude, Washington, D. C.; Philip Breitmeyer, Detroit, Mich.; W. J. Palmer, Buffalo, N. Y.; E. Wienhoeber, Chicago, Ill.; John Bertermann, Indianapolis, Ind.; W. L. Rock, Kansas City, Mo.

Registration of Cannas.

Public notice is hereby given that the Conard & Jones Company of West Grove, Pa., offer for registration the plants described below. Any person objecting to the registration or to the use of the proposed names is requested to communicate with the undersigned at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description—Green foliage, strong grower, moderate height, huge heads of fiery scarlet with yellow throat and narrow rim of yellow around the petals. Name—Halley's Comet.

Description—Green foliage, vigorous grower, 4 to 5 feet, flowers extra large, petals broad, color La France pink. Name—Mrs. Alfred F. Conard.

Description—Green foliage, 6 to 7 feet high. Enormous flowers, beautifully wavy petals, orange scarlet, wondrously flaked with gold. An improvement over Mrs. Kate Gray. Name—Mrs. Carl Kelsey.

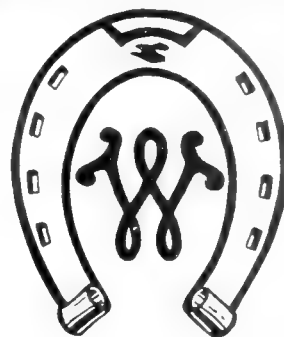
W. N. RUDD, Sec.

Date—November 20, 1909.

NORTH SHORE HORTICULTURAL SOCIETY.

The North Shore Horticultural Society took final action at its meeting at Manchester, Mass., Nov. 19, looking to its incorporation, and elected the following officers: James Salter, president; Dr. W. H. Tyler, vice-president; James Macgregor, treasurer; James Scott, librarian; John D. Morrison, clerk; William Till, Joseph Clark, William Swan, Eric H. Wetterlow and George Gordon, executive committee. The speaker of the evening was John W. Duncan of Boston, president of the American Association of Park Superintendents.

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway, - - - New York

CLUB AND SOCIETY NOTES.

The sixth annual meeting of the American Breeders' Association will be held at Omaha, Neb., on December 8, 9 and 10, 1909; headquarters at Hotel Rome. Friday, Dec. 10th, will be devoted mainly to plant breeding.

The preliminary prize schedule of the American Rose Society for its coming exhibition at the American Museum of Natural History, New York city, has been distributed. The exhibition will be held March 16, 17 and 18, 1910. The list of valuable special prizes now numbers eight and more are coming.

The annual dinner of the Gardeners and Florists of Andover, Mass., was held Friday evening, Nov. 12, at Phillips' Inn. The tables presented a beautiful appearance. After the dinner, which was well served and amply enjoyed by all, several speeches were made by Messrs. Lynch, Johnson, Millet, Playdon and Brown. A motion was adopted authorizing the florists to consult with the Andover Village Improvement Society and the Andover Guild in regard to possibilities of holding an amateur flower show in August, 1910. This is a movement which will without doubt create a great deal of interest in the town.

Aphine

Is the new insecticide which kills
plant lice of every species.

Effective Indoors and Outdoors.

NOW ON SALE FROM COAST TO COAST.

If your supply house does not
handle Aphine write us for
name of our nearest selling
agents.

George E. Talmadge

Madison, N. J.

Obituary.

H. F. A. Lange.

As we go to press the news comes to us of the death on Tuesday night, November 23, of H. F. A. Lange at his home in Worcester, Mass. Much that we should desire to say regarding Mr. Lange must be deferred until our next issue, but we must here express on behalf of the Boston fraternity a sense of great loss, for Mr. Lange was, in the days of his full vigor and health, an integral part of the line of public-spirited, broad-minded floriculturists to whom Boston and eastern New England were indebted for much of the prestige that gave this section a prominent position in American horticulture. He was a self-made man and the leading figure for a generation in the florist trade of Worcester. He has been in failing health for some time. The management of the business has during his illness devolved upon his two sons, who have carried it on with commendable ability.

J. H. Menard.

The members of the New Orleans Horticultural Society and a large circle of friends were startled at the news of the death of J. H. Menard, which occurred on the evening of Saturday, the 13th inst., after an illness of only a few hours' duration, as the result of a paralytic stroke. He had been in business in New Orleans for over 30 years and was universally liked. Bright and cheerful by nature, his presence radiated sunshine in every assembly and the society was often indebted to him for his truly wise council. He was 63 years of age and is survived by a widow and several children, who will carry on the business. A large delegation of the society members were present at the funeral to show both their respect for the deceased and their sympathy for his family.

Samuel J. Thompson.

Samuel J. Thompson, a retail florist of Louisville, Ky., died Nov. 8. He was born in Roanoke, Va. and was the son of the late George Thompson, who for many years conducted a florist business under the name of Geo. Thompson, Sr. & Sons. He leaves a wife, one son, two brothers and a sister all well known to the trade.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Rooted Cuttings Ready December 15th

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following:

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Rooted Cuttings Ready January 1st

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$85.00 per 500, \$120.00 per 1000.

Cottage Gardens Co., Inc.,

QUEENS, LONG ISLAND, N. Y.

SURPLUS BULBS

HYACINTHS	Per 100
Double Named	\$4.50
Double Unnamed	2.35
Single Unnamed	2.35
DOUBLE TULIPS	
Imperatur Rubrorum	2.25
Rex Rubrorum	1.65
Superfine Mixed, early .....	.75
SINGLE NARCISSUS	
Princeps maximus	2.25
Golden Spur	1.75
Poeticus Burbidgel .....	.50
DOUBLE NARCISSUS	
Albo pleno odorato .....	.50
Von Sion, True Daffodil	1.00
Von Sion, Double Nose	1.80
Mixed .....	.80
POLYANTHUS NARCISSUS MIXED	.85

To secure these prices must mention this paper.

JAMES VICK'S SONS, Rochester, N. Y.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

Surplus Bulbs, Lily of the Valley, ETC.

Lily of the Valley.

Our finest Perfection grade. New importation now ready. Case of 2,500 pips, for \$12.50; less quantities, \$14.00 per 1,000.

Pot-Grown Lilacs.

Marie Legraye, Mme. Lemoine and Chas. N., \$5.00 per dozen, \$65.00 per 100.

NARCISSUS.

Bicolor Victoria.

The finest of all the bicolor varieties. We offer a grand lot of mother, or double-nosed bulbs. These bulbs are exceptionally fine, as indicated by the number in a case. Full case 1,250 bulbs, for \$25.00; less quantities, \$2.50 per 100.

Paper White Grandiflora.

Selected bulbs, 14cm. and up, 1,000 to the case, \$11.00; less quantities, \$1.50 per 100.

Barri Conspicuus.

\$2.75 per 100.

Emperor.

Double-nosed bulbs, \$2.00 per 100, \$17.50 per 1,000; first size, \$1.50 per 100.

Jonquils, Giant Campenelle Rugulosus.

\$0.75 per 100.

Poeticus.

\$0.75 per 100, \$5.00 per 1,000.

Chinese Sacred Lilies.

Bundle of 120 bulbs for \$4.20.

TULIPS.

	Per 100		Per 100
Artus	\$1.25	Gloria Solis	\$1.20
Cardinal's Hat	.85	Imperator Rubrorum	2.20
Chrysolora	.75	La Candeur	1.25
Mon Tresor	1.40	Lady Grandison	1.00
Yellow Prince	.85	Le Blason	1.25
Bizards, mixed	.75	Rex Rubrorum	1.50
Golden Crown	.75	Rose Blanche	1.00
		Yellow Rose	.75

Freesia Refracta Alba.

French-grown bulbs of mammoth size, \$1.00 per 100, \$8.00 per 1,000.

Gladiolus America.

The peer of all gladioli. Forces easily, and is the most profitable variety for that purpose. Flowers are an exquisite soft lavender-pink—about the same color as a cattleya, \$4.00 per 100, \$35.00 per 1,000.

Hyacinths.

Fine Named, \$4.00 per 100, \$35.00 per 1,000; Miniature or Dutch Romans. Finest Named Sorts, \$2.00 per 100, \$18.00 per 1,000.

Iris, Spanish.

Mixed colors, \$2.50 per 100.

Spirea Japonica. Queen Alexandra.

\$5.00 per 100. \$3.00 per dozen; \$20.00 per 100.

Allium Neapolitanum.

\$0.65 per 100; \$4.50 per 1,000.

Ranunculus, Double.

French, Persian and Turban, \$0.40 per 100.

Scilla Campanulata cerulea.

\$0.60 per 100.

Sparaxis.

Mixed. \$0.30 per 100.

F. R. Pierson Co.
Tarrytown-on-Hudson
NEW YORK.

Grand Clearing Sale of Bulbs **BELOW COST**

All A No. 1 Bulbs, No Rubbish

7500 DUTCH HYACINTHS, SINGLE

Rose, Red, Dark Red, White, Pure White, Blue, Blush 100 1000
White, Dark Blue and Yellow \$2.00 \$15.00

14,000 TULIPS, SINGLE

Lac Van Rhijh, Cardinal's Hat, Souvenir Bizarre, Jocaba
Van Beierau, Canary Bird, Ma Plus Amable, Couleur
Ponceau, Purple Crown, Breeders Mixed, and Parrots
Mixed60 5 00

8000 CALLAS

Calla Ethiopica; Bulbs 3 inch circumference 2.50 20.00

7000 NARCISSUS

Paper White grandiflora60 5.00

Berrydale Experiment Garden ROUTE 1, BOX 54
Holland, Mich.

Iris Pallida Dalmatica

No florist or landscape-gardener can afford to be without a good stock of this beautiful hardy plant; it is beautiful in the border, and beautiful in floral decorations; easy and strong grower. In color, a beautiful shade of lavender, similar to the darkest shades of Vanda coerulea.

\$12.00 per 100; \$100.00 per 1000.

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McHenry Ave., Westwood,

CINCINNATI, O.

LOOK! LOOK! LOOK!

A Chance of Your Lifetime. Never to Return.

HYACINTHS, single in separate colors, per 1000, \$12.00. TULIPS, single and double in separate colors per 1000, \$4.00.

HYACINTHS, to name, Gertrude, Giganthea, Moreno, Robert Steiger, Roi des Belges, Baron van Thuyll, pink and white, Grandeur a Merveille, Madame Van der Hoop, La Grandesse, L' Innocence, Paix de L' Europe, Grand Maitre, Czar Peter, King of the Blues, Lord Derby, Queen of the Blues, Regulus. All Hyacinths are true to name and of fine quality, per 1000, \$22.00.

Artus.....\$6.00 per 1000
Belle Alliance.....10.00 "
Cardinal's Hat.....5.00 "
Duchess de Parma.....5.00 "
Rose Blanche.....4.00 "
Yellow Prince.....5.00 "
La Candeur.....8.00 "

CROCUS, striped, white and purple, \$1.50 per 1000

A fine stock of BOXWOOD, in all sizes and shapes, specimen EVERGREENS
Pot grown DEUTZIA LEMOINEI, and LILACS, now ready for delivery.

F. W. O. SCHMITZ,

Prince Bay, N. Y

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Boxwood, Pyramid:

2½ ft. ...	\$1.00 each	4½ ft. ...	\$3.50 each
3 ft. ...	2.00 each	5 ft. ...	4.00 each
3½ ft. ...	2.50 each	5½ ft. ...	5.00 each
4 ft. ...	3.00 each	6 ft. ...	6.00 each

We have a large quantity and fine assortment of small EVERGREENS for Window Boxes and Vases:

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes. A visit to our Nursery will convince you we have the quality that gives satisfaction.

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana	Niobe
Paul Weber	Prof. Wolters
Raphael	Simon Mardner
Vervaeana	Louis de Kerchove
Mme. Van der	Deutsche Perle
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Mme. Cam. Van	vaene
Langehove	Memoire de L'Van
Paul de Schryver	Houtte
Sigismund Rucker and others.	

Dia.	Doz.	100	Dia.	Doz.	100
8-10,	\$3.50	\$25	15-16,	\$9.00	\$75
10-12,	4.50	35	16-18,	12.00	90
12-14,	6.00	45	18-20,	25.00	200
14-15,	7.50	60	20-24,	36.00	300

Order early to save heavy express charges; impossible to ship by freight in cold weather.

We still have a few thousand

AZALEAS

to offer at import prices in the best commercial varieties; also Bay and Box Trees, Euonymus, Eurya Latifolia, Araucaria, Asparagus, Crotons, Arecas, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus and Small Ferns for Dishes in best sorts at lowest wholesale prices.

Wholesale Price List on Application.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

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Araucarias, Palms, Azaleas and Blooming Plants for Christmas and Easter

GODFREY ASCHMANN, Importer, Grower and Wholesale Dealer in Araucaria, Excelsa, Robusta Compacta and Excelsa Glauca; Kentia Forsteriana and Belmoreana; Sago Palms, Arecas, Lutescens, Cocos Weddelliana.

HEADQUARTERS FOR FERNS such as Whitmanii, Boston, Amerpohli, Scottii, Todeaoides, Begonia Gloire de Lorraine, 6 inch, by the thousand, Primula Chinese, etc., cheap for cash. Send for prices.

1012 West Ontario Street
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In ordering goods please add "I saw it in HORTICULTURE."

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STAMFORD, - CONN.

New York Office, 50 W. 30th Street

NEED SOME BOXWOOD?

12 inch Bush, fine strong plants,	at \$0.20
14-16 " " " " " "	at .25
18-20 " " extra strong stock,	at .35
24-26 " Large Bushy Stock, a bargain	.50
Pyramids all sizes, 30 inches to 9 feet.	Dirt Cheap.

NOW COMES CHRISTMAS

Beautiful Cyclamen, Begonia Gloire de Lorraine, Azaleas, Poinsettias and Filling Stock, a fine collection of FERNS, Bostons and Scotti, 6 inches to 12 inches. A grand assortment of 4-inch ferns for Hamper work. Table Ferns always on hand. A fine selection. **COME IN AND SEE US. Mail Orders Receive Special Attention.**

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD
N. J.

PALMS, All Sorts and Sizes

A. N. PIERSON, Inc., Cromwell, Conn.

FULL LINE OF PALMS AND FERNS

Send for Catalogue

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100	6 in. pots..\$75.00 per 100
5 in. pots..50.00 "	7 in. pots..100.00 "

THOMAS ROLAND, NAHANT, MASS.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also fine list of

Christmas and Easter Plants

Also others. Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N. Y.

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THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR.
LILIES
PLANTS
BAMBOO STAKES



Cocos Weddelliana

A Splendid Holiday Plant.

We are sending out at the present time a splendid lot of Cocos Weddelliana, in 5-inch pots, at \$1.00 each, perfect stock, of a rich dark green color, 18 to 24 inches high, just the sort of plants to appeal to your customer for house decoration.

May We Send You a Trial Lot of These?

For a full and complete list of Seasonable, Decorative and other stock, see our current wholesale list.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

BEFORE YOU THINK Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

We have just what you NEED.

William W. Edgar Co.
WAVERLEY, MASS.

HEACOCK'S PALMS

Areca Lutescens	Each
6 in. pot, 3 in. pot, 24 to 26 in. high	\$0.75
6 in. pot, 3 in. pot, 26 to 28 in. high	1.00
7 in. pot, 3 in. pot, 30 to 32 in. high	2.00
Cocos Weddelliana	Per 100
2 1/2 in. pot 8 to 10 in. high	\$10.00
2 1/2 in. pot 10 to 12 in. high	15.00
Kentia Belmoreana	Each
5 in. pot, 6 to 7 lvs., 18 in. tall, \$50.00	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.	12.00
7 in. pot or tub, 6 to 7 leaves, 24 to 26 in.	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
Made-up Kentia Forsteriana	Each
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50
7 in. pot, 4 in. pot, 36 to 38 in.	3.00
9 in. tub, 4 in. tub, 42 to 48 in.	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/2-in. stock, \$25.00 per 100.

WHITMANII

2 1/2-in., \$40.00 per 1000; 3 1/2-in., from Beach, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

ORCHIDS ROEHRS, Rutherford, N. J.

Given Away If Taken Away— At Once

To clear our benches for work, we will literally give away 50,000 stock mums at \$2.00 per 100; \$15.00 per 1000; 10 of a kind in 100 lots allowed, 25 of a kind in 1000 lots allowed. List—

GOLDEN GLOW, OCTOBER FROST, ROSERIE, BERGMANN, POLLY ROSE, PACIFIC SUPREME, WHITE CLOUD, MONROVIA, ALICE ROOSEVELT, ALICE BYRON, TOUSET, ENGUEHARD, EATON, WHITE BONNAFFON, APPLETON, WINTER CHEER, BAILEY, WHITE DEAN, NONIN, GOLDEN WEDDING, CLAY FRICK, INTENSITY, BLACK HAWK, and many others—all the staple and newer ones.

SPECIAL:—GOLDEN EAGLE, best new yellow, and LYNNWOOD HALL, best late white, \$3.00 per 100.

I. M. Rayner
GREENPORT, N. Y.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000, Cash with order.

FRANK OECHSLIN

911 Quincy St., CHICAGO, ILL.

OUR ANNUAL SPECIAL

Will be issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

A business proposition pure and simple.

Send Advertising Copy EARLY.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sender, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

ORCHIDS! ORCHIDS!

Arrived in first-class condition, C. Mossiae.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptum.

LAGER & HURRELL, SUMMIT, N. J.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

In writing to Advertisers kindly mention Horticulture

Seed Trade

THE AMERICAN SEED TRADE ASSOCIATION.

Some remarks by W. Atlee Burpee at the Lonsdale banquet in Philadelphia.

In the few minutes I shall talk to you tonight, I can give but a brief outline of the history of the American Seed Trade Association and what it has accomplished. The first meeting was held in New York city at the Gilsey House, June 12th to the 14th, 1882. R. A. Robbins of Wethersfield, Connecticut, familiarly known to the trade in the later years of his life as "Deacon Robbins," was elected chairman, and thus became the first president of the association.

Of the 33 members who attended the first convention 19 are dead, while of the remaining 14 but 7 are now in active business affiliated with the seed trade. A few among the leading seedsmen of the day held aloof, evidently believing they were sufficient unto themselves, but the association went on its way, growing in membership and proving its usefulness, until now it has 168 active members, while not more than two or three representative houses are outside of its fold, and to these the glad hand of fellowship is ever extended, with the invitation, "Knock and it shall be opened unto you."

The advantages of organization and concentration of energies are too well appreciated to require argument. We have seen what aggregations of capital have accomplished, and the tremendous power they wield. We have seen what organization has done for the working men of the country. According to statistics furnished by the Manufacturers' Association, less than 10 per cent. of the wage earners of the country are organized, yet this 10 per cent practically dominates the labor market, and in many instances dominates completely important industries. The founders of the American Seed Trade Association appreciated the power of organization in securing desired and beneficial results, and in preventing undesirable and harmful measures, detrimental to their legitimate interests.

A few disgruntled members of the trade groping for an excuse for not joining the association have asked, "What has it done, what good is it?" If the annual convention of the association had done nothing more than to make the members acquainted with one another it would have a valid excuse for its existence.

The moral force and effect of the Association of a body of men, whose aim is to elevate and improve their business, even if they accomplish nothing but to meet and discuss matters of mutual interest and exchange ideas, would be quite sufficient to justify such an organization, but the American Seed Trade Association has done more than this. It has accomplished practical results, has secured the enactment of much needed and useful legislation and accomplished the defeat of more or less vicious and unnecessary measures. It would be pleasing to give the full record of the

Michell's Seasonable Seeds

VERBENA SEED

Michell's Mammoth Fancy Strain. This is without doubt the finest strain ever offered to the trade, combining large size, purity of color and free flowering qualities.

Tr. Pkt.	Oz.
Blue.....30c...	\$1.25
Scarlet.....30c...	1.25
White.....30c...	1.25

Tr. Pkt.	Oz.
Pink.....30c...	\$1.25
Striped.....30c...	1.25
Mixed.....30c...	1.25

SWEET PEAS, (Winter Flowering)

Christmas Pink (Pink and White) White (Florence Denzer). Mrs. Alex. Wallace (Lavender).

Price 25c per oz; 1 4 lb. 75c; per lb. \$2.

Also all other varieties as listed in our Wholesale Catalogue a copy of which is yours for the asking.

MOSS, Green Lump. In Bags Containing About **75c per Bag**
One Barrel

WATSONIA ARDERNEI

Florists, it will pay you to grow some of these bulbs. The flower is pure white, produced on stems about five feet in length. For cut flowers, they have proved especially valuable, lasting several days in a cut state, and are very decorative. The bloom and habit is similar to that of the Gladiolus, coming into full bloom about Easter, when its pure white blooms are of great value.

Immediate ordering advisable at the special low price of \$6.00 per 100.

Henry F. Michell Co. 1018 Market Street **Phila.**

NOTES.

San Francisco, Cal.—A. Nauvramont, formerly with the May Seed Co. has started in business for himself under the firm name of the California Seed Co.

Pasadena, Cal.—The Ross Seed Co., 148 W. Colorado street, has recently been purchased by Wm. Neil Campbell, Mr. Campbell who has been connected with the concern securing control by purchasing the interest of his partner J. W. Ross.

CATALOGUES RECEIVED.

St. Przepelski, Plock, Polonia, Russia.—Price list of Tree and Shrub Seeds.

Ernst Benary, Erfurt, Germany.—List of seed novelties for 1910, including asters, verbenas, lobelias, gerberas, etc. Also Begonia gracilis Prima Donna.

NEWS NOTES.

York, Neb.—Joseph Hackethal has purchased a portion of the Harrison nursery property.

Port Arthur, Tex.—C. H. Crawford of Minnesota is looking over the ground, with a view to establishing a large nursery here.

OUR ANNUAL SPECIAL

Will be Issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

A business proposition pure and simple.

Send Advertising Copy EARLY.

COLD FRAME MATS

Burlap	\$1.25	\$14.00 doz.
Water Proof Duck	2.00	22.00 "
Straw Mats	1.75	20.00 "

W. ELLIOTT & SONS,
42 Vesey Street . . . NEW YORK

CYCLAMEN

NEW CROP

FARQUHAR'S GIANT STRAIN

is UNEXCELLED for size and profusion of bloom

To obtain large flowering plants for Thanksgiving and Christmas 1910, seeds should be sown now.

Giant Crimson Giant Blood Red
Giant Salmon Giant Pink
Giant Excelsior, White with
Giant White Picturatum, Pink with
claret base claret base

Price per 1000 seeds, \$10.00
100 seeds, \$1.00

R. & J. FARQUHAR & CO.
6 & 7 So. Market St., Boston, Mass.

ESTABLISHED 1802

Thorburn's Bulbs

Finest strain of Long Island grown
Early Jersey Wakefield Cabbage
and other high grade seeds for
Market Gardeners and Florists.
SEND FOR PRICES.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

WRITE
FOR
OUR
PRICES



BULBS
YOU
MAY
WANT

CAULIFLOWERS
CABBAGE
LILY OF THE VALLEY PIPS.
HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

CABBAGE Wakefield and Succession.
PARSLEY \$1.00 per 1000, \$8.50 per 10,000.
LETTUCE 25 cts. per 100.
\$1.25 per 1000.
Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.
CASH WITH ORDER
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Big Money in Forcing Asparagus
I advertised 8 year old Asparagus Roots in this
paper last fall and winter and a number of parties
responded and were well pleased with the results.
This year I have similar roots for sale. Let me
hear from you. Also **RHUBARB** roots for
forcing.
Warren Shinn, Nurseryman, Woodstown, N. J.

FORCING GLADIOLUS

Many florists plant these in boxes, or among their carnations, in the winter. They are excellent for decorative purposes and realize good prices, either whole-sale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. \$3.25 per 100; \$30.00 per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1 1/4 inches and up. \$2.00 per 100; \$18.00 per 1000.

Bulbs, 1 1/2 to 1 3/4 in., \$1.75 per 100; \$16.00 per 1000.

Shakespeare. White and rose. \$4.75 per 100; \$45.00 per 1000.

May. Pure white, flaked rosey crimson; the best forcer. Selected bulbs, \$1.75 per 100; \$15.00 per 1000.

Brenchleyensis (true.) Fiery scarlet. Selected bulbs, \$1.50 per 100; \$13.00 per 1000. First size bulbs, \$1.25 per 100; \$10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, 1 1/4 in. and up. \$1.50 per 100; \$14.00 per 1000.

Bulbs, 1 1/2 to 1 3/4 in., \$1.25 per 100; \$10.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. \$1.00 per 100; \$9.00 per 1000.

Gladiolus, Colvillei and Nanus (type)

Plant some of these among your carnations; they will come in handy at any time.

Peach Blossom. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney rose. \$0.90 per 100; \$8.75 per 1000.

Blushing Bride. Flowers are large, pure white, with delicate pink spot. Useful for early forcing. \$0.75 per 100; \$6.00 per 1000.

The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower for early Spring use; will stand forcing. \$0.65 per 100; \$5.00 per 1000.

Ackermanii. Salmon-orange, with white blotches, edged scarlet; very pretty. \$0.75 per 100; \$6.50 per 1000.

Remember you may deduct 5 per cent if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman
342 W. 14th Street
NEW YORK CITY

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO

CALIFORNIA

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS 79 and 81
FLOWER SEEDS Get Our Prices E. KINZIE STREET, CHICAGO

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillium Longiflorum Giganteum C. S. by the case of 300.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

FRENCH AND DUTCH BULBS

Columbia Farm Harrisii Fischers Purity Freesias

Send for trade list.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

ORDER NOW

French and Dutch Bulbs

FOR FALL SHIPMENT

Wholesale Price List mailed to Florists on application.

Joseph Breck & Sons Corp.

47-54 NO. MARKET ST., BOSTON, MASS.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

Robert MacMillan & Co. of Greenwich, Conn., have won their suit against James Everard the millionaire brewer for the price of floral decorations provided for the birthday party of Everard's daughter. The sum of \$1,115 is awarded. The bill was disputed on the ground that it was exorbitant. We congratulate Mr. MacMillan and the florist trade on his vindication.

NEW FLOWER STORES.

Wellsville, Ohio.—R. A. Mick, Main and 6th Sts.

Beverly, Mass.—B. Larcom & Co., Cabot and Essex Sts.

Crookston, Minn.—The Carnation Store, Post Office Building.

West Somerville, Mass.—Frank J. Reynolds, Woodbridge Block.

Somerville, Mass.—C. G. Ward & Co., Bristol Road and Broadway.

Philadelphia, Pa.—F. Herbert Steinmetz, Twentieth and Locust St.

Columbus, Ohio.—River View Floral Co., North High St., Mrs. M. E. Krauss, m'gr.

STEAMER DEPARTURES

American.

St. Paul, N. Y.—S'h'mpton....Dec. 4

Atlantic Transport.

Minnewaska, N. Y.—London....Dec. 4

Cunard.

Carpathia, N. Y.—M'ditr'nean...Dec. 4

Mauretania, N. Y.—Liverpool...Dec. 1

French.

La Touraine, N. Y.—Havre....Dec. 2

Hamburg-American.

Graf Waldersee, N. Y.—Hamb...Dec. 4

North German Lloyd.

Koenig Albert, N. Y.—M'ditr...Dec. 1

Red Star.

Vaderland, N. Y.—Antwerp....Dec. 1

White Star.

Baltic, N. Y.—Liverpool.....Dec. 4

Teutonic, N. Y.—Southampton...Dec. 1

Romanic, Boston-M'ditr'nean...Dec. 1

PERSONAL.

William Wells of Merstham, Eng., who has been visiting C. H. Totty for several weeks returned home Nov. 17 sailing on the Lusitania.

Mr. C. W. Smith has served the R. I. Horticultural Society as secretary for 21 years, filling the position and answering the requirements incumbent upon him with fervency and zeal. He has also been identified with kindred societies for 7 years, which makes a service of 28 years in the harness and he is still an earnest worker with a salary inadequate for the position.

Visitors in Boston: A. N. Broadhead, Jamestown, N. Y., visiting Welch Bros., and incidentally stopping off at the Harvard-Yale football mixup; Robert Craig, Phila., and E. A. Stroud, Overbrook, Pa., plenipotentiaries for the Keystone State in the National Flower Show Committee; J. N. Champion and S. H. Moore, New Haven, interested in dog show and football violets respectively; J. Muller, representing Julius Roehrs Co., Ruthersford, N. J.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

OR OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

NEW YORK

Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

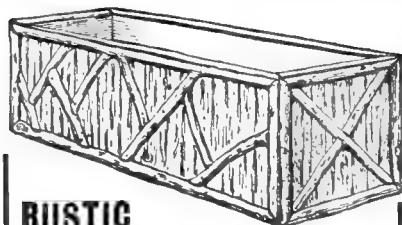
EDWARD MACMULKIN

194 Boylston Street,

Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.



RUSTIC WINDOW BOXES

Made to order 75c per running foot up. Cedar Bark, per bundle, 100 square feet \$2.50.

HOLLOW RUSTIC LOGS

(For Ivies, etc.) 3 feet high and upwards, from \$1.00 up.

Laurel, Cedar and Pine Branches in barrels \$1.00, in bundles 50c. Grape Vine per coil \$2.

MAPES RUSTIC WORKS, CLAYTON, N. J.

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

MATTHEWS The FLORIST DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

ROBERT J. DYSART Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

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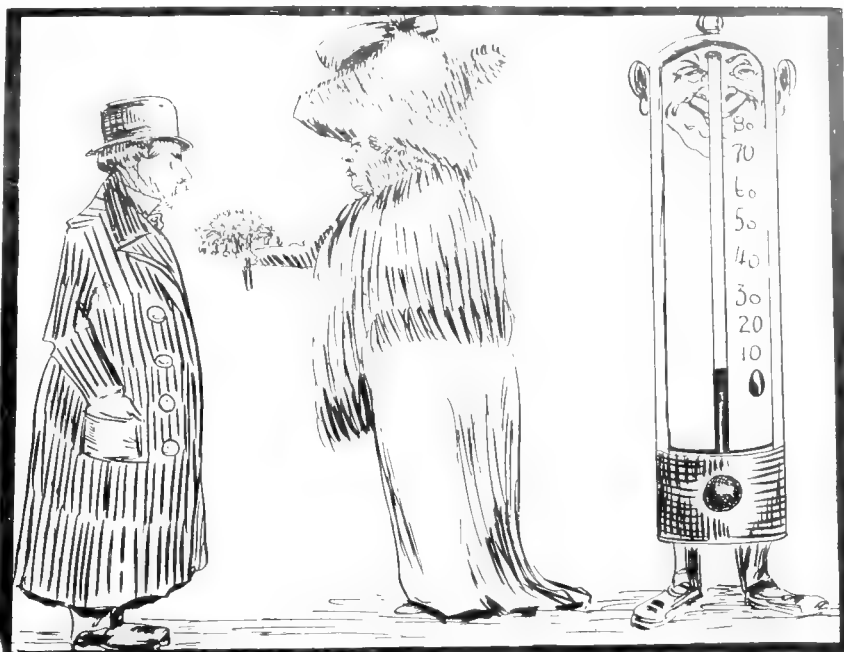
28 STATE STREET, - BOSTON
Telephone, Main 58.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

WHY FLORISTS GROW GREY.



"Just look at these violets! I haven't worn them ten minutes and they are all black and wilted. I will never enter that florist shop again."
Thermometer—"I'm glad they don't blame me."

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—M. A. Bowe, 1294 Broadway.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F. St.
Wellesley, Mass.—Tailby.

It will be very welcome news to the flower growing fraternity, and to the retail trade remote from New York city as well, to learn that the Cottage Gardens Company have decided to remove the restrictions from those two superb carnations, Alma Ward and Mrs. C. W. Ward, and offer rooted cuttings to the trade. The dissemination of these carnations, which have continuously brought the highest price in the New York market, brings a great acquisition within the reach of the carnation growers and, no doubt, the response will be a lively one.

NEW ORLEANS FLOWER MARKET.

A few cool nights have had a wonderfully bracing effect on all greenhouse stock. Roses particularly have felt the benefit and are beginning to show their class. The cut of outdoor roses has been considerably shortened and the indoor stock will now have its innings. Trade in the stores continues brisk and many important orders are on the books for delivery in a short time. Weddings and social functions are keeping everyone busy and the season bids fair to be a good one. Chrysanthemums sell well at good prices. My Maryland rose has made a hit and the best buyers ask for it in preference to any other pink. T. Eaton chrysanthemums from the Metairie Ridge Nursery Co. are wonderful and readily retail at \$10-per dozen. The J. Steekler Seed Co. report a lively demand for plants in their catalogue trade.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

ROSES

We can offer you a fine stock of Roses. Our growers are producing a better grade than usual at this season and are now cutting quantities of choice stock of

BEAUTIES, P'K KILLARNEY and RICHMOND

Our stock of Beauties consists principally of the three top grades. A sample shipment will convince you of their superior quality.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

HOERBER BROS.

51 Wabash Ave. Long Distance Phone
CHICAGO ILL. Randolph 2758

Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

Easter Lilies

Choice Stock. \$1.50 per dozen.
\$10.00 per 100.

W.E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

1115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 23		Nov. 23		Nov. 21		Nov. 24	
ROSES								
Am. Beauty, Fancy and Special...	40.00	to 50.00	30.00	to 40.00	20.00	to 25.00	30.00	to 40.00
" Extra	25.00	to 30.00	20.00	to 30.00	15.00	to 20.00	12.00	to 25.00
" No. 1	15.00	to 25.00	15.00	to 20.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	12.00	to 15.00	10.00	to 15.00	3.00	to 8.00	4.00	to 6.00
Bride, 'Maid, Chateaux, F. & S.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	4.00	to 5.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan, & Sp.	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00	12.00	to 20.00
" Lower grades	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00	2.00	to 8.00
Richmond, Fancy & Special	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	12.00	to 20.00
" Lower grades	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00	3.00	to 8.00
My Maryland	4.00	to 10.00	4.00	to 8.00	2.00	to 8.00	2.00	to 15.00
CARNATIONS, Nov. and Fan.								
" Ordinary	4.00	to 5.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" Ordinary	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50	1.50	to 2.00
MISCELLANEOUS								
Chrysanthemums, fancy	20.00	to 25.00	15.00	to 25.00	20.00	to 25.00	10.00	to 25.00
" ordinary	10.00	to 15.00	10.00	to 20.00	4.00	to 8.00	6.00	to 10.00
Caribayas	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00	35.00	to 50.00
Lilies	12.00	to 15.00	12.50	to 15.00	8.00	to 12.50	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets .....	.75	to 1.00	.75	to 1.00	.15	to 1.00	.50	to .75
Mignonette .....	.....	.....	.....	.....	2.00	to 3.00	1.00	to 2.00
Sweet Peas .....	.75	to 1.00	.....	.....	.50	to 1.00	.....	.....
Gardenias	20.00	to 30.00	25.00	to 35.00	20.00	to 25.00	25.00	to 35.00
Adiantum .....	.75	to 1.50	1.00	to 1.25	1.00	to 1.50	.75	to 1.00
Smilax	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100) ..	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Sprea. (100 bchs.)	to 20.00	25.00	to 35.00	35.00	to 50.00	15.00	to 25.00

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In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

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Flower Market Reports.

BOSTON A very welcome spurt of trade is on as the week gets under way. Thanksgiving Day is undoubtedly responsible directly and indirectly for most of it. The business appears to be in general good shape, all lines of material and all classes of trade seeming to feel the impulse. The uplift seems to have struck the high class material most effectually, gardenias, cattleyas, American Beauty and special grades of Killarney roses making the greatest advance in value. Violets, as usual at Thanksgiving are also in for a little prosperity. There are some fine Eatons and other large-flowered late chrysanthemums in market which move at good figures.

There was very little **BUFFALO** life in the market the past week, but no more was expected than other years the week preceding the first holiday. Chrysanthemums were the main factor. They came in in heavy supply and there was very little outlet until the end of the week, when Friday and Saturday helped to clean up the week's surplus. Too much of a mixture of snow and other things which and better demand for everything still, was no doubt the cause. Roses and carnations dropped off in supply and better demand for everything was had on Saturday. Violets, lily of the valley, peas, narcissi and other material were had in fair supply. With a clean market to begin with on Monday a good week's trade is looked

The outlook for Thanksgiving from the florists' standpoint is considered quite satisfactory at this writing. The quantity of flowers is supposed to be sufficient to meet all demands and the prices are not expected to reach any very unusual height. Beauties continue the scarcest and all grades seem to be equally in demand. This may be partly accounted for by the fact that some of the large growers are disbudding so as to throw the crop into the holidays. Chrysanthemums are at their height in the late varieties and everyone seems fairly well satisfied with results. The weather will be a great factor with the trade of the next ten days. A cold wave is just arriving at this writing, for summer weather has given way to a cold sleet and every indication that the cold spell so long looked for by the florist will be here before this is in print.

Demand is excellent and **DETROIT** stock is none too plentiful—just that supreme condition of happiness when supply and demand meet on an equal basis. One or two growers of large chrysanthemums did not devote themselves to that feature this year and although real large blooms are not in great demand as a rule the absence of their product is much noticed. So far we have had satisfactory price conditions locally and it is to be hoped that we may be able to maintain this equilibrium all the season through.

Luxury and Exclusiveness in FLORISTS' RIBBONS

Are demonstrated in our new color combinations for Violets, Orchids and Roses. Some of the loveliest and most changeable shades ever created.

In effective originality these ribbons have no equal for corsage work. One of these most popular patterns is "Supreme" a taffeta in two widths No. 7's—65c and No. 9's—85c.



Pattern Killarney has been and is still one of our best sellers, almost every florist in the United States and Canada having bought from us, ordering again and again.

Pattern My Maryland (same quality as Killarney) another new shade this season is proving equally attractive. Quality and finish the best our manufacturer can produce.

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INDIANAPOLIS

Trade is still on the increase here with plenty of stock coming in. The weather has been extremely warm for this season of the year and is bringing on stock very rapidly and indications are that the chrysanthemum season will come to a close about two weeks earlier than usual. The late varieties have been in for about ten days and some of the growers will be entirely cut out by Thanksgiving. Roses are fine

and are arriving in large quantities, but the demand at times is light and it is hard to clean up. Beauties and Killarney are having the heaviest call. Lily of the valley and orchids are much used in bridal bunches and having a good run. Easter lilies are nearly entirely off the market. Quite a quantity of peas are in and meet with brisk sales. Nurserymen are quite busy this fall planting shrubbery and hardy stuff.

(Continued on page 761)

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 23		Nov. 23		Nov. 23		Nov. 23	
ROSES								
Am. Beauty, Fan, and Sp.	25.00	to 30.00	30.00	to 35.00	35.00	to 40.00	.....	to 25.00
" Extra	15.00	to 20.00	25.00	to 30.00	20.00	to 25.00	15.00	to 20.00
" No. 1	12.00	to 15.00	15.00	to 20.00	12.00	to 20.00	8.00	to 10.00
" Lower grades	6.00	to 8.00	4.00	to 12.00	5.00	to 8.00	3.00	to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Low gr.	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00
Killarney, Fan, & Sp.	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	4.00	to 8.00	2.00	to 4.00
Richmond, Fancy & Special	4.00	to 6.00	6.00	to 8.00	10.00	to 12.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00	.....	to 4.00
My Maryland	4.00	to 8.00	4.00	to 6.00	5.00	to 10.00	4.00	to 8.00
CARNATIONS, Novelties and Fancy								
" Ordinary	2.00	to 3.00	3.00	to 5.00	3.50	to 4.00	2.00	to 3.00
	.....	to 1.50	2.00	to 3.00	2.00	to 3.00	.....	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy	12.50	to 15.00	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00
" Ordinary	4.00	to 8.00	8.00	to 12.00	6.00	to 12.00	4.00	to 12.00
Cattleyas	.....	to .....	.....	to .....	.....	to	50.00	to 60.00
Libies	10.00	to 12.00	12.50	to 15.00	12.00	to 15.00	.....	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.25	to .35	.50	to .75	.75	to 1.50	.....	to .75
Mignonette	.....	to .....	.....	to	4.00	to 5.00	.....	to
Sweet Peas	.....	to .....	.....	to .....	.75	to 1.00	.25	to .75
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adonis	1.00	to 2.00	1.00	to 1.50	.50	to 1.50	.75	to 1.50
Smilax	12.50	to 15.00	15.00	to .....	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

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	Last Half of Week ending Nov. 20 1909	First Half of Week beginning Nov. 22 1909
American Beauty, Fancy and Special.....	20.00 to 30.00	30.00 to 40.00
" " Extra.....	12.00 to 15.00	15.00 to 20.00
" " No. 1.....	6.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	.50 to 4.00	2.00 to 5.00
Bride, 'Field, Golden Gate, Fancy and Special.....	4.00 to 6.00	5.00 to 8.00
" " Lower Grades.....	.50 to 2.00	1.50 to 3.00
Killarney, Fancy and Special.....	3.00 to 6.00	4.00 to 8.00
" " Lower Grades.....	.75 to 2.00	2.00 to 3.00
Richmond, Fancy and Special.....	3.00 to 8.00	6.00 to 8.00
" " Lower Grades.....	.50 to 2.00	1.00 to 3.00
Chatenay.....	.50 to 6.00	2.00 to 8.00
Fly Maryland.....	.50 to 6.00	2.00 to 8.00
Carnations, Fancy and Novelties.....	1.50 to 3.00	3.00 to 5.00
" " Ordinary.....	.75 to 1.00	1.00 to 2.00

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\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
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MOSS, \$2.00 large bag.**REED & KELLER**

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Sample free. \$1.75; 50,000.....\$7.50. For sale by dealers

Flower Market Reports.

(Continued from page 759)

The week opened with improved conditions and an appreciable increase in the demand for all kinds of cut flower stock. Prices have advanced generally and clearances were more easily effected than for some months past and all this, notwithstanding a general increase in the cut of small roses, due to the warm weather, and a crop coming on. Beauties and Richmonds were the exceptions, the supply of these roses being lighter. Carnations are not so very plentiful, unless they are being re-

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 20 1909		First Half of Week beginning Nov. 22 1909	
Cattleyas.....	25.00	to 75.00	50.00	to 75.00
Lilies.....	3.00	to 6.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 4.00
Narcis. Paper White.....	1.50	to 2.00	1.50	to 2.00
Chrysanthemums.....	8.00	to 25.00	8.00	to 25.00
Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Violets.....	.40	to .75	.35	to .75
Gardenias.....	12.00	to 35.00	12.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
SanMax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Sprays (100 bchs).....	15.00	to 25.00	12.00	to 25.00

served for Thanksgiving trade. Orchids are bringing high prices, some selling at a dollar each. Lily of the valley is a good seller with quotations firm. The chrysanthemum supply is as heavy as it ever has been Thanksgiving week, but they move at fairly good figures. As always, Thanksgiving business is an unknown quantity and if stock is not too plentiful ought to be good—weather permitting also. The price of violets is much below last year's, and it is not likely that they will go much higher than present quotations. Good gardenias sell readily.

PHILADELPHIA Sluggish conditions prevailed again last week.

Chrysanthemums came in in shoals, many of them appearing as if they had been held back for the Army-Navy

game—which never came. Many more were evidently intended for Thanksgiving; but refused to hold out that long. Such stock of course, having no regular market, went for anything it would bring—very little as a rule. American Beauty market picked up considerably towards end of week, and at present writing is showing quite some activity. Richmond is improving in quality with demand excellent. Maryland is the best pink, with Killarney a close second. White Killar-

(Continued on page 766)

Galax and Leucothoe

Quality, Packing and Price All Right.
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J. L. BANNER, MONTEZUMA,
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Asparagus plumosus from 2½ inch pots,
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Asparagus Sprenger—Good plants for 6
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Dann & Son, Westfield, N. Y.
Rex Begonias. A fine assortment of 12
named varieties from 2½ in. pots, strong
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BOILERS. "Burnham" Boilers made for
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Boston.
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Lillium Longiflorum.
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Hyacinths, Tulips, Crocus.
For page see List of Advertisers.
W. E. Marshall & Co., New York, N. Y.
Surplus Bulbs.

SPECIAL CLEARING PRICES. TULIPS.

SINGLE La Reine, 85c per 100; \$7.50 per
1000. Rose Gris de Lin, 85c per 100; \$7.50
per 1000. Artus, \$1.10 per 100; \$9.50 per
1000.

DOUBLE—Murillo, fancy bulbs, \$1.80 per
100; \$16.00 per 1000. Tournesol, yellow,
\$2.00 per 100; \$17.50 per 1000.

NARCISSI.

Empress, double-nose, \$1.60 per 100;
\$14.00 per 1000. Golden Spur, \$1.40 per
100; \$12.00 per 1000. Trumpet Major, \$1.00
per 100; \$8.00 per 1000.

250 at 1000 rate.

STUUS SEED STORE.

544 W. 63rd St., Chicago, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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CARNATIONS—Continued

S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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H. F. Littlefield, Worcester, Mass.
Field Grown Plants.
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Baur & Smith, Indianapolis, Ind.
Patten & Co., Tewksbury, Mass.
Carnation Shasta.
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A. C. Brown, Springfield, Ill.
Carnation Sangamo.
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Chas. Knopf Floral Co., Richmond, Ind., and
S. J. Reuter & Son, Inc., Westerly, R. I.
Carnation Admiration.
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Wood Bros., Fishkill, N. Y.
Field Grown.
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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.
For page see List of Advertisers.
Edward Wallis, Atco, N. J.
For page see List of Advertisers.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRISTMAS AND EASTER PLANTS

William W. Edgar Co., Waverley, Mass.
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CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
I. M. Rayner, Greenport, N. Y.
Stock Plants.
For page see List of Advertisers.
Herrington's book on the Chrysanthe-
mum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.
Golden Glow, Pacific Supreme, Polly Rose
and Glory of Pacific. Stock plants, 25 as-
sorted as wanted, \$1.00. Chas. Frost, Ken-
ilworth, N. J.

COLD FRAME MATS

W. Elliott & Sons, New York, N. Y.
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CONIFERS

John Waterer & Sons, Ltd., American
Nursery, Bagshot, Eng.
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COSMOS—Early Flowering

Headquarters seed, New England grown.
The trade supplied, each variety separate.
10c. a package. H. N. Smith, South Sud-
bury, Mass.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Bangor Box Co., Bangor, Me.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more received during October we
will pay the freight east of the Mississippi.
All orders west of the river, we pay to the
river. Samples of stock and prices on re-
quest. Climax Manufacturing Co., Castor-
land, N. Y. Dept. H.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Atco, N. J.
For page see List of Advertisers.

DAISIES

Daisy Queen Alexandria, from 24 in. pots, \$2.50 per 100. Cash. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.

Imported Plants for Fall Delivery.
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Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.
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Anton Schultheis, College Point, N. Y.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
Farleyense.

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Robert Craig Co., Philadelphia, Pa.
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Fernwood Nursery, Stamford, Conn.
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F. W. O. Schmitz, Prince Bay, N. Y.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Dwarf ferns for fern dishes, 6 best sorts, in fine condition, 2c.; \$18.00 per 1000.

The Good & Reese Co., Springfield, Ohio.

FLORISTS' LETTERS.

Boston Florist Letter Co., 68 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.
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Mapes Rustic Works, Clayton, N. J.
Rustic Vines, Branches, Bark, Etc.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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The Peters & Reed Pottery Co.,
Red Pots, Seed Pans, etc.
Zanesville, O.

FLOWER POTS — Continued

A. H. Hews & Co., Cambridge, Mass.
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Hildinger Bros., Rt. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.

Galax and Leucothoe.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

Buchner, Poitevine, Jaulin, Nutt, Chas. Gervais, Henderson and Montmort: Rooted cuttings, \$1.25 per 100; \$12.00 per 1000. Chas. Frost, Kenilworth, N. J.

Geraniums Ricard, S. A. Nutt, Buchner, from 2 and 2½ in. pots, extra fine lot of strong, cool-grown plants; \$2.25 per 100; \$20.00 per 1000; and mixed \$2.00 per 100, \$18.00 per 1000. J. R. Brooks, Oxford Depot, Orange Co., N. Y.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poitevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, N. Y.
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Arthur T. Boddington, New York, N. Y.
Forcing Gladioli.

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Surplus stock of choice named gladioli. Also bulbs and bulbets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1892-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pomert, Prop., Amelia, O. Largest gold fish hatchery in the world.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.

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The Kervan Co., 113 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Pittsburg Cut Flower Co., Ltd.,
Pittsburg, Pa.

Boxwood Sprays.

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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOLLY

Holly wreaths. Box holly. Holly wreaths a specialty, in large and small quantities. Selected box holly. Write for prices. H. E. Conwell, Milton, Del.

HOLLYHOCKS

Hollyhocks, double yellow, pink and white, \$15.00 per 1000; single, mixed, \$10.00 per 1000. Spring sown. Cash. Byer Bros., Chambersburg, Pa.

HOLIDAY SPECIALTIES

N. F. McCarthy & Co., Boston, Mass.
Holly, Mistletoe, Velvet Poinsettias, Laurel Wreaths, Galax, Etc.

In writing to Advertisers kindly mention Horticulture

HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,
Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.
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INSECTICIDES.

Nicotide kills all greenhouse pests.
P. E. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stumpp & Walter Co., 50 Barclay St.,
New York.

Killdead Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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Geo. E. Talmadge, Inc., Madison, N. J.
Aphine.

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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

J. A. Peterson, Cincinnati, Ohio.
Iris Pallida Dalmatica.
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E. S. Miller, Wading River, N. Y.
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GERMAN IRIS, colors purple and cream.
75c. per doz.; \$5.00 per 100. By mail, \$1.00
per doz., 10c. each. M. L. McClave, Ben-
ton Harbor, Mich.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Rosindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Bobbink & Atkins, Rutherford, N. J.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILIES

E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY CLUMPS

Skidelsky & Irwin Co., Philadelphia, Pa.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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Lily of the valley, field-grown, 25c. per
doz.; \$1.00 per 100 by mail; \$6.00 per 1000
express. M. L. McClave, Benton Harbor,
Mich.

MASTICA

F. O. Pierce Co., 12 W. Broadway, New
York.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken
Height, N. J.
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New England Nurseries, Inc., Bedford,
Mass.

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Eastern Nurseries, Jamaica Plain, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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DWARF BOX.

Fine, well rooted plants, 3 to 8 in., \$1.00
to \$5.00 per 100. By mail, 2 to 10c. each.
Stock fine, but limited. Order soon. M. L.
McClave, Benton Harbor, Mich.

Manual of the Trees of North America.
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

Shade and Fruit Trees, Hedge, Berry
Plants, Asparagus Roots, Rhubarb. Ken-
tucky Nursery Co., Louisville, Ky.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordenez Bros., Madison, N. J., Box 106.
C. Lablata; D. Bligbun Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

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A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
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Fernwood Nursery, Stamford, Conn.
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PANSY PLANTS.

Giant pansies, Bugnot, Odier, Cassier,
Trimardeau, mixed, \$2.50 per 1000; 2000,
\$4.00. Cash. Byer Bros., Chambersburg,
Pa.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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Peony list ready. Write for one today.
Standard varieties. Prices right. Gilbert
H. Wild, Raroxie, Mo.

PETUNIAS

Petunias, double; rooted cuttings, \$1.00
per 100; 2-in., 2c. Cash. Byer Bros.,
Chambersburg, Pa.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 486 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St.,
Boston.

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Metropolitan Material Co., 1392-1402 Met-
ropolitan Ave., Brooklyn, N. Y.
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PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 389-75
So. Erie St., Toledo, O.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinensis.
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Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Ronsderfer, Lattmann
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran.,
\$10 per M; 18 to 24 in., 8 to 5 bran., \$12 M;
24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30
in., 5 to 8 bran., \$16 M.

AMOUR RIVER PRIVET 12 to 18 in.,
\$12.50 M; 18 to 24 in., \$15 M, well branched;
18 to 24 in., heavy, \$16 M; 24 to 30 in.,
heavy, \$20 M. F. O. B. Bostic. Cash
with order. Valdesian Nurseries, Bostic
Dept., Bostic, North Carolina.

Harrison's Nurseries, Berlin, Md.

Privet Hedge by the Mile.

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California Privet, well rooted and well
graded. Write for prices. John H. Lane,
Little Silver, N. J.

RHODODENDRONS

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, Hoboken, N. J.
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ROSES

Robert Craig Co., Market and 40th Sts., Philadelphia, Pa.

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Novelties in Roses.

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Peschmann Bros. Co., Morton Grove, Ill.

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W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

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Eastern Nurseries, Jamaica Plain, Mass.

New Rose Daybreak and Lady Duncan.

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The Rose, by H. B. Ellwanger; mailed for \$1.80 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Baby Rambler roses, strong, three-year-old, field-grown, own root, have been cut back and lifted and have become well established in 5-in. pots, at \$12.00 per 100. Virginia Nursery Co., Purcellville, Va.

RUSTIC WINDOW BOXES

Maples Rustic Works, Clayton, N. J.

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SEED GROWERS

Hjalmar Hartmann & Co. Cauliflower and Cabbage Seed. Laangstraede 20, Copenhagen, Denmark.

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C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

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SEEDS

T. J. Gray Co., 32 So. Market St., Boston.

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Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.

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W. Atlee Burpee & Co., Philadelphia.

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Arthur T. Boddington, 342 W. 14th St., New York.

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Richards Bros., 37 E. 19th St., New York.

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E. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Giant Cyclamen Seed.

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H. F. Mitchell Co., 1018 Market St., Phila.

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J. M. Thorburn & Co., 83 Barclay St., N. Y.

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Leonard Seed Co., Chicago, Ill.

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A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

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Flower Market Reports

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ney is the best in whites although there are some very fair Brides around. Enchantress, Bountiful, W. Perfection and Beacon are the carnation leaders, and show marked improvement. Orchids still scarce and high. Not so many violets coming in, quality very good. Lily of the valley normal—fine quality and enough for all demands. Gardenias took quite a jump in prices. Crop fell off. No slackening in demand. Thanksgiving orders in the shipping trade are now going out, and it looks as if an unusually good business was being done with distant points. Holly and other Christmas greens being looked up—some good early orders already reported as placed.

Twin Cities report business as very good. Chrysanthemums are sufficient except in time of football games, when there is generally a large demand in gold and maroon. Carnations are just about filling the demand, while there is still a shortage in violets.

The Pennock-Meehan wholesale house in Washington, D. C., has a new manager in the person of M. J. Moore. We think the firm is to be congratulated in securing the services of Mr. Moore.

"Please discontinue my advertisement in your paper, as all my violet plants are sold."

WM. SIM.

Nov. 18, '09.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Address of Pres. Elmer D. Smith at the Annual Meeting in New York.

This is our eighth annual exhibition. It hardly seems possible so many years have passed since our initial assembly at Chicago. Well do I recall the many new and wonderful varieties then displayed for the first time. The majority of these have been cast aside and their places filled by newer kinds. This constant trend onward has taken place for years, and thus it will ever continue so long as we bend our energies in this direction.

We are mortals of emotion and our enthusiasm of today is tomorrow focused upon a newer and better creation. It is a happy thought and just as it should be. Our aspirations for greater achievement, with power and energy to execute these desires, are the stepping stones to success and mark the epochs of chrysanthemum history. We cannot mark time; our course must be onward and upward. We have not reached the limit. We must have larger and bolder flowers for our exhibitions; a race of commercial sorts which carry foliage to the bloom and hardier and earlier kinds to withstand our northern winters. Such a type would be of great value to all lovers of border plants.

In accepting the Presidency of this society a year ago, it was only the desire to do my part toward furthering the interests of so worthy an organization that induced me to consent. I fully realize the year has passed without achieving all that is desired. Financially we are in about the same condition as a year ago, and the membership has not been greatly increased. These matters are of vital importance and need our careful consideration, with the hope of devising some plans to enhance our treasury and increase our membership. There are too many private and commercial growers who hold themselves aloof. Our committees pass upon the new comers, pointing out those best suited for our purpose. This work alone is of sufficient importance to commend this Society to every grower. The two dollar annual dues is certainly a trifling consideration, when the private gardener from the reports of these committees can select for exhibition purposes and the florist the best commercial sorts. There ought to be some way to reach every chrysanthemum grower and impress upon them our desire for their hearty co-operation.

A very interesting article appeared in last February's number of Technical World upon parasitic insects, their culture and distribution under the direction of University of Kansas. This article suggested to my mind a possibility of finding a remedy for *Lygus pratensis*, commonly known as the tarnished plant bug. Letters were written the department of Agriculture at Washington and the University of Kansas but of no avail. As far as I

know we are still in need of an effective remedy for these persistent and destructive little insects. A parasitic fungus is now propagated and distributed among the western farmers to depose the chinch bug. The name chinch bug is often applied to the tarnished bug, but this is erroneous, as the former is distinct and known in entomology as *Blissus leucopterus*. Throughout the Middle West the tarnished bug is found everywhere during the summer months, puncturing the stem and extracting the sap from a large number of plants and weeds. The chrysanthemum and aster are especially favorite feeding places. It is to be hoped our institution of research will discover a remedy, either in the form of parasitic fungus or a parasitic insect that will keep them under control.

There are a few suggestions which I will submit for your consideration. It seems to me the President should be empowered to appoint special committees to examine and pass upon seedlings at exhibitions in localities which are not thus favored, provided the interest in seedlings or the exhibits are likely to be of sufficient importance to demand such appointments—the term of office of such committees to expire at the close of the exhibitions they are to serve. An exhibition of considerable magnitude, providing classes and premiums for seedlings which would attract exhibits from those interested, may be launched upon us at any time in such cities as Pittsburgh, Baltimore, St. Louis, Rochester, Detroit and Cleveland. You may deem it advisable to place some limitations upon the President's power in this matter to guard against an action which would be regarded as favorable to self-interests or that of intimate friends.

Another suggestion is that the Chrysanthemum Society become a standing committee of the Society of American Florists and Ornamental Horticulturists. It is evident that such an affiliation would minimize the expense and would better serve the trade. In taking such a course our records would be turned over for safe keeping, and the clerical functions performed by the secretary of the Society of American Florists and Ornamental Horticulturists. This suggestion came to me so late that I have not looked up the conditions under which such an affiliation could be enacted, so that definite action can not be taken at this time.

Since our last meeting we have been deprived by Divine Providence of one of the greatest geniuses of American horticulture, the most ardent lover and cultivator of the chrysanthemum. The familiar countenance and figure of John Thorpe we shall see no more; his pleasant address and enthusiastic admiration for Nature's gems will lend no charms henceforth. A devoted student whose eye detected the super qualities at a glance, he loved flowers and his enthusiasm knew no bounds. Always elated when fortune smiled on the efforts of others, he tried to make it possible for the world to have better things. He was the first to enter the show on the opening day and the last to turn away the closing night. His was not a passing admiration. You would see him all day long, often with a flower in his hand or possibly tucked away in his hat. It might not be a

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WANTED—A MAN —Or Woman—

In every town supporting a florist, seedsman or nurseryman, in the United States, to solicit subscriptions

— FOR —

Horticulture

Pleasant work and liberal pay make this a splendid means to add to your regular income. Write today for our exceptional offer.

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Horticulture Publishing Co.

11 Hamilton Place, Boston, Mass.

WANTED

A bright active man to sell seed direct to market garden trade; one that has experience in selling seed and growing vegetables; also to be quick in doing up seed orders and waiting on customers. Give age, experience, references, and salary expected. Must be ready for work at once. Address Seeds, care HORTICULTURE PUBLISHING COMPANY, Boston, Mass.

WANTED—A good grower for general stock—roses, carnations, bedding plants, etc., in modern, well-equipped place in New York state. Permanent situation for right man, single, at \$15.00 per week with room. L. J. care **HORTICULTURE**.

WANTED—Grower of orchids and stove plants. Married man preferred; \$60 a month with cottage. C. N. E., care **HORTICULTURE**.

SITUATIONS WANTED

SITUATION WANTED—Carnation, violet grower; general stock; good references. J. P. Hersey, 725 South St., Roslindale, Mass.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and seedling perennials, cheap. Melrose Garden Co., 90 Melrose St., Providence, B. I.

A TALK ON THE CHRYSANTHEMUM.

Abstract of the remarks by W. H. Waite before the Horticultural Society of New York.

Mr. Waite explained that on account of being busy with flower shows and similar matters, he had been able to prepare only a few rambling notes. He described the different sections of the chrysanthemum, as follows, showing examples of each class:

Section 1. True incurved.—This class is not seen so much in this country, as the flowers are not quite large enough to suit the demand here, but is very prominent in all exhibitions in England. The flowers have strap-shaped petals, curving regularly inward, and forming, when mature, an even spherical outline. A very good example of this section is the old variety Major Bonaffon.

Section 2. Japanese varieties.—This is the section to which belong the large varieties having long, loose petals, which sometimes are intertwined, as in the variety Nellie Pockett; and sometimes long and straight, as in F. S. Vallis. All the large varieties go into this section; in fact, the variations are so many that it has been found necessary to subdivide this section into two groups, known as the Japanese incurved and the Japanese reflexed. Good examples of the former are Col. D. Appleton and Merza, and of the Japanese reflexed, Mrs. Knox. Here the petals turn back horizontally and droop down toward the stem.

Section 3. Reflexed.—This section is entirely opposite to the incurved, in that the petals recurve from the centre of the flower to its base. Few of this section are grown in this country today.

Section 4. Anemone varieties.—The flowers in this section have broad strap-shaped ray petals, which stand out stiffly and horizontally, forming a regular collar to the numerous disc florets of the centre. The variety Garza is the most common example of this, and makes a beautiful plant in any form; it is also a splendid cut flower.

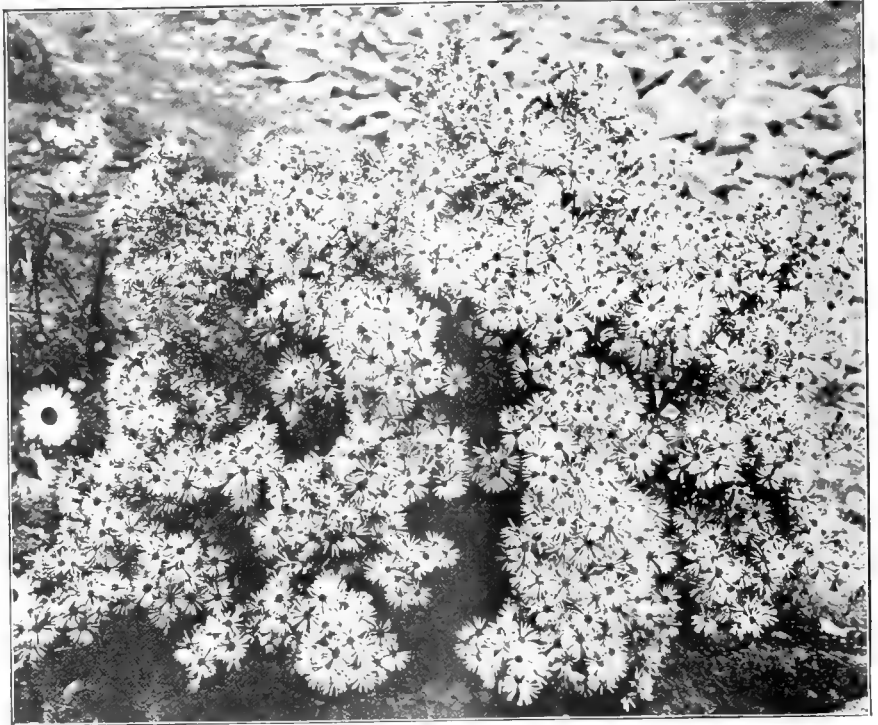
Section 5. Japanese anemones.—This section is similar to the previous one, the centres being much the same. The ray florets show considerable variability, in some being long and drooping, while in others they are curiously twisted.

Section 6. Pompons.—Here belong the really hardy varieties of the gardens. The heads vary from flat to spherical, having very short erect or reflexed petals, which in some varieties are fringed and toothed. These are most desirable plants and really everybody's flower. There are some beautiful varieties and their names are legion. They are perfectly hardy, easy to cultivate, and should be in every garden.

Section 7. Pompon anemones.—As the name indicates, this section resembles the anemone section in having the disc florets quilled and the ray florets flat, which are short as in the pompons.

Section 8. Single-flowered.—This section, in my opinion, contains some of the most beautiful flowers. It is only a few years since we have taken to them in this country, but they are becoming more popular every year.

HARDY ASTER "ANNIE."



PERENNIAL ASTER "ANNIE"

This profuse blooming new variety adds one more to the list of hardy asters now recognized as indispensable for the late fall garden. Long after all other hardy herbaceous material has finished its work for the

season these sturdy "Michaelmas Daisies" flaunt their clouds of bloom undismayed by November's frosts. The picture shows a single plant blooming in the Farquhar nurseries, which last spring was in a 2½-in. pot.

Characteristic of this section is the daisy-like flower, having a single row, or sometimes two or three rows, of ray flowers. No single should have more than three rows of such flowers. Commercial varieties should have more than one row, for in packing some of them are sure to be bruised or broken, and in the forms with a single row this damage makes the flower worthless; if there are two rows, the flower is not so liable to damage, and if one or two of the ray flowers are damaged they can be removed.

There are great possibilities in the cultivation from seed of the flowers from this section, treating them as half hardy annuals. A friend of mine procured a packet of seed last March, sowing the seed in the greenhouse at the time of starting his other half-hardy annuals. In due time they were transplanted, and when large enough transferred to the herbaceous border. They grew remarkably well, and from September up to quite recently they were the most beautiful plants in the garden. They were low and bushy, thus not requiring staking, and were a mass of blooms, every one a different color. When these early hardy singles become better known, I predict that they will be the most popular annual grown. They come into flower at the proper time of the year, just when other annuals and herbaceous plants are on the wane. These single chrysanthemums also make beautiful objects when grown in pots, either as specimens or for cut flowers.

Section 9. Spidery and fantastic varieties.—The members of this section

are merely curiosities. A comparison of the varieties Golden Shower and F. S. Vallis shows the variability and possibilities of the genus.

KILLARNEY DROPPING LEAVES.

I would like a few suggestions in the management of Killarney roses. We have had no trouble in producing the very best plants, cutting flowers with 1½ to 3½ ft. stem, disbudding so that the first crop lasted from Aug. 24 to Nov. 1st. A fair amount of young growth is coming on and still the old leaves are hardening and falling, out of all proportion to the good of the plants. The soil has been kept reasonably moist; syringing about once a week; night temperature about 60 degrees; feeding was done in small doses when the crop was on. If you know of anyone able and willing to give any pointers on this subject kindly let me know through HORTICULTURE.

New York.

J. P. A.

J. P. A. need not be unduly alarmed about his Killarney's dropping their leaves if they are otherwise doing as well as he says. It is characteristic of this variety to shed their old leaves, especially in dark weather. The best remedy seems to be to feed liberally and to keep them producing new leaves so fast that they can well spare any old ones they lose. Of course between crops a little extra care in watering is necessary but they should never be allowed to become dry.

Montrose, Mass.

E. HOLMES.

CHICAGO NOTES.

A Great Exposition.

At the Tribune's great Land Exposition at the Coliseum, now open, an interesting feature is the demonstration of what can be accomplished by irrigation in an arid country. The displays of fruit and vegetables from the irrigated sections are certainly grand and the free lectures with the aid of stereopticon views are of great educational value and are largely attended. The southern cotton exhibits are extremely interesting. Michigan has a large display of fruits and vegetables and the Western Michigan Development Bureau has enough produce displayed to make a whole show of itself.

Grain of all kinds to the extent of seventy bushels is here and the manager will tell you it was Michigan seed peas that took the first prize at the Detroit show.

General News Notes.

The Chicago Flower Show cleared about \$3,000 above all expenses.

November has made a record as the warmest November in 38 years.

A new retail store in the Masonic Temple and known as the Masonic Temple Floral Shop is the latest addition to the loop district. Geo. Visas is proprietor and the store has entrance on both Randolph and State streets.

Last week a man carelessly left his horse untied and the animal damaged a street tree by eating a large piece from it. At City Forester Probst's recommendation the owner of the horse was arrested and fined \$5.00 and costs.

The Freeport Floral Co. of Freeport, Ill., recently incorporated with Louis Bauscher, sec'y and genl. manager, has taken over the business of Louis Bauscher, established in 1883. They have erected during the past season four houses and contemplate extensive additions next season. Their new store in the business section of the city is just completed and they will build conservatories in connection next season.

Personal.

Anton Then is very ill with typhoid fever.

Henry Smith, Grand Rapids, Mich., is taking a trip to Texas and looking after his interests in fruit and vegetable farms there.

S. F. Willard, Jr., son of S. F. Willard, seedsman from Weathersfield, Conn., has taken a position in the office of Vaughan's Greenhouses at Western Springs.

Visitors in Chicago: H. E. Kidder, representing Ionia Pottery Co.; T. Mellstrom, representing Sander & Sons, St. Albans, Eng.; Alfred Mysterfeld, representing C. G. Gilbert, Oregon, Ill. The latter will build additional houses in the spring: Mr. and Mrs. J. J. Soper, Rockford, Ill.; Louis Bauscher, Freeport, Ill.; Mr. Cochrane, of Cochrane & McKay, West Pullman, Ill.

Washington is the proud possessor of another wholesale house, "The Florists' Exchange." It is an incorporated company of Washington florists with the following officers: J. Louis Loose, president; Theo. Dietrich, vice-president; William Bowdler, secretary; John Robertson, treasurer; Albert Schnell, manager.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

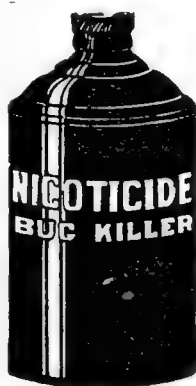
Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palathorpe Co.
OWENSBORO, KY.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards.

Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
301-303 Franklin St., Boston

SPRAYED

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind
Tobacco Powder

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. 8 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walker Co. 50 Barclay St., New York.

In ordering goods please add "I saw it in HORTICULTURE."

A GRAND RAPIDS MARKETING PLAN.

N. B. Storer of the floral department of the Grand Rapids Greenhouse Co., Grand Rapids, Mich., spent several days in Chicago last week. This company was organized two years ago and in addition to flowers grows mushrooms and vegetables, including large quantities of lettuce. The Grand Rapids vegetable growers have established a central depot for the vegetables from all the growers and when the produce is received it is graded and prices fixed accordingly. After a few trial orders purchasers from out of town become

familiar with the grades by name as standard, etc., and can buy intelligently. The association consists of seven directors, five of whom are growers. S. J. Perry is sales manager.

NEWS NOTES.

The Growers' Cut Flower Company, New York city, is recorded as having entered judgment against Abraham Jacobs for \$140.00.

Portland, Ore.—N. L. Crouch has purchased of W. H. Wood his large greenhouse, containing 30,000 feet of glass.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

WRITE FOR CATALOGUE AND DISCOUNTS

GREENHOUSES BUILDING OR
CONTEMPLATED.

Oregon, Ill.—C. G. Gilbert, addi-
tions.

Newport, Vt.—J. R. Farrant, one
house.

Waltham, Mass.—Pierce Bros., two
houses.

Berlin, N. H. Smith & Co., re-
modeling.

Houston, Tex.—A. J. Reiss, range of
greenhouses.

Greenfield, Mass.—E. W. Todd, one
house, 20x60.

Norwood, Pa.—Robt. Craig Co.,
range of houses.

Logansport, Ind.—Traction Com-
pany, one plant house.

Pana, Ill.—R. O. Henderson, Third
street, range of houses.

Oaklawn, R. I.—Wm. Hay, one
house, King construction.

Cincinnati, Ohio.—J. Chas. Murphy,
one carnation house, 27x100.

Lenox, Mass.—Mrs. Robert Win-
throp, one house, 11x100 feet.

Benton Harbor, Mich.—Central Seed
& Bulb Co., one house, 15x100 feet.

Philadelphia, Pa.—Ernst F. Hoehl,
two houses, one 15x100 and one 10x65.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 9 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 8 1/2 " " "	5.25	120 7 " " "	4.20
1500 2 1/2 " " "	6.00	60 8 " " "	3.00
HAND MADE			
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	5.50	24 11 " " "	3.60
456 4 1/2 " " "	5.24	24 12 " " "	4.80
320 5 " " "	4.51	12 14 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets, Lawn
Vases, etc. Ten per cent. off for cash with order. Address
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for
fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodware Mfg. Co.
TOLEDO, OHIO



Daylite Glass Cleaner

Will Not Injure Paint or Putty

25 gals. or more.....	
5 to 25 gals.....	
Less than 5 gals.....	



ANDERSEN SPECIALTY CO., 4648 Calumet Ave., CHICAGO

QUICK—POWERFUL

Leaves No Greasy Surface

.....	\$0.70 per gal.
.....	.80 per gal.
.....	1.00 per gal.

PUBLICATIONS RECEIVED.

The American Flower Garden, Doubleday, Page & Co.—Here is a beautiful book and as useful as it is beautiful. The author is Neltze Blanchan and the planting lists which form a very important and practical part of the contents are by Leonard Barron. The first chapter is entitled "The Partnership between Nature and Art." This is the sentiment that runs through the entire work and this is one of the strong points that give it unusual value as a book for the lover of nature who is possessed of a longing to get very close to nature and know how to work in conjunction and harmony with her. And the civilized world is full of people who are hungry for the truths this work unfolds so enticingly and convincingly. It answers a thousand questions that are on the lips daily of the earnest amateur cultivators, many of which, unfortunately, the florist and local gardener are, by a large majority, unable to answer. For this reason the book before us has a place not alone on the library shelf of the amateur gardener but has also a distinct value for the florist who aims to serve satisfactorily the customers who look to him for advice and expect such advice, when intelligently followed, to prove infallible. So we earnestly recommend the volume to our trade readers as something they will find well worth having. There are ninety-two full-page half-tone engravings and four beautiful color plates all depicting garden scenery worthy of being studied as examples of garden art. The lists by Leonard Barron are well-selected and comprehensive. The price of The American Flower Garden is \$5.35 delivered. Copies can be supplied from this office.

PATENTS GRANTED.

940,153. Flower Supporter. Adam Heim, Connerville, Ind.
940,562. Apparatus for Joining Pipes. Winfield S. Sigler, San Pedro, Mexico.

OUR ANNUAL SPECIAL

Will be Issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

A business proposition pure and simple.

Send Advertising Copy EARLY.

INCORPORATED.

Caldwell, Idaho.—Caldwell Nursery Co., \$25,000; W. S. Hawkes, C. T. Hawkes and W. R. Wilkerson.

Princeton, Ind.—W. J. & S. A. Rittershand and J. T. Hannan have incorporated for \$25,000 under the name of Princeton Gardens.

The business of T. C. Thurlow & Co., Cherry Hill Nurseries, West Newbury, Mass., has been incorporated under the laws of Massachusetts under the name of T. C. Thurlow's Sons, Inc., with a capital of \$15,000. George C. Thurlow will be president and Winthrop H. Thurlow, treasurer. They will carry on as before a retail and wholesale trade in high-grade ornamental stock.

BUSINESS CHANGES.

Seattle, Wash.—The Seattle Carnation Co., W. E. Hopkins, mgr., have combined with the Auburn Nurseries.

Pasadena, Cal.—T. E. Gould formerly with the Park Nursery Co. has associated himself with W. H. Williams under the firm name of the Colorado Nursery Co., at 156 W. Colorado St.

Marion, Ia.—A severe hail storm on Nov. 11th broke about 300 lights of glass in the greenhouses of both Geo. Hutton and I. N. Kramer & Son.

DREER'S

Florist Specialties
KEYSTONE CEDAR
PLANT TUBS



Diam.	Each.	Doz.	100.
A 11 in.	.75	7.15	55.00
B 12 1/2 "	.75	8.25	65.00
C 13 1/2 "	.85	9.35	75.00
D 14 1/2 "	1.00	11.00	90.00
E 15 1/2 "	1.25	13.75	110.00
F 16 1/2 "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

MASTICA

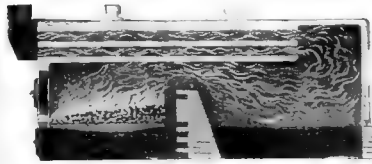
FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

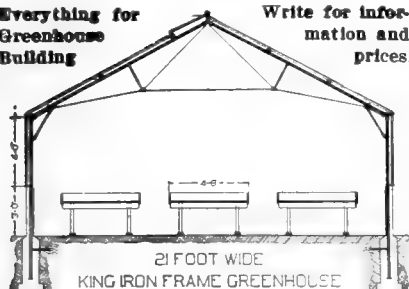
Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Everything for
Greenhouse
Building

Write for infor-
mation and
prices.



In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.



The Advance Ventilating Machine

is made of the best material.

- It is neat, strong.
- It is compact.
- It is unexcelled.
- It is powerful.
- It is mechanically built.
- It is easily operated.
- It has no wearing parts.

Ask a florist who owns one and see if it isn't highly recommended to you as being the best machine on the market. Write for prices. They are very reasonable. We can save you money and give you better, or best for the same.

The Advance Co.
RICHMOND, IND.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

Our Specialty

Can interest you with our prices all the time; we ask you to write us.

"Result," "Satisfaction."

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

FOR SALE

GLASS New American natural glass made 8x10 and 10x12 B, single, \$1.55 per box; 8x10, 10x12 and 10x15, B, double, \$1.80 per box; 12x14 to 12x20, 14x16 to 14x20, B, double, \$1.92 per box; 16x16 and 16x18, B, double, \$2.00 per box; 12x24, B, double, \$2.08 per box; 16x20, 16x22 and 16x24, B, double, \$2.13 per box. Discount in large quantities.

PIPE Good serviceable second-hand with good threads and a coupling with each length, no junk—1 in., 3c.; 1 1/2 in., 4 1/2c.; 2 in., 5c.; 2 1/2 in., 6 1/2c.; 3 in., at 14c. and 4 in. at 19c. New 2 in. standard black, 8 1/2c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 7c. per foot.

We quote you above only a few of our prices. We manufacture and job in everything pertaining to greenhouses, both new and second-hand. Get our prices before placing your orders.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

392-1402 Metropolitan Ave., Brooklyn, N. Y.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches

most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.

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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

GEO. B. DOANE & SON CO.

18 Midway St., Boston, Mass.

Telephone, Main 4419.

GREENHOUSE CONSTRUCTION

LUMBER

John C. Moninger Co.

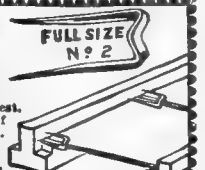
117 E. Blackhawk St., CHICAGO.

**Holds Glass
Firmly**

See the Point AT
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**

Most Up-to-Date Factory in the Business

Over 7 acres devoted solely to manufacturing every kind of greenhouse materials.

We do not buy the various manufactured materials needed, and resell them—we manufacture everything at our factory.

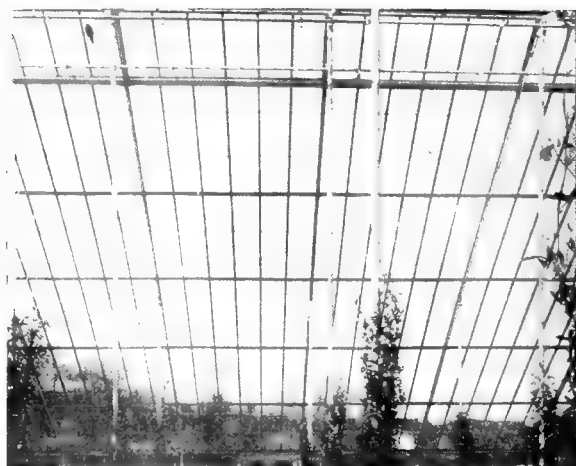
Putty, Ventilating Machinery, Boilers—everything for the greenhouse. For this reason you can depend on getting from us, uniformly high-grade materials. Such materials as can only be made by fully equipped greenhouse manufacturers.

Buy all your materials for your new house direct from the Hitchings Manufacturing.

Hitchings & Company

Designing & Sales Offices
1170 Broadway, N.Y.

General Offices & Factory
Elizabeth, N.J.



SAFE GREENHOUSES

There is something to be said against columns in a house, but there is a whole lot to be said for them. There is a structural danger line, which if you pass, you simply take chances—and mighty long ones at that. The Sectional Iron Frame Construction has the fewest columns of any safe construction. It's safe to be on the safe side. Let the other fellow do the experimenting.

LORD AND BURNHAM COMPANY

Irvington-on-Hudson, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



ABOUT THE WAY WE MAKE OUR ROOF CONNECTIONS

Everybody kicks against the heavy, ugly valleys necessary in the ordinary constructions. The U-Bar makes one that is clean cut, light and so skillfully handled that you scarcely notice it in the house. Other superior points of construction shown in the Advance Sheets of our new catalog which are now ready.

PIERSON U-BAR COMPANY

NUMBER ONE
MADISON AVE.
N. Y.

HORTICULTURE

Vol. X. DECEMBER 4, 1909 No. 23



NEW HYBRID ASTER NOVA-BELGII EVENING STAR



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.
SUBSCRIPTION, \$1.00 PER YEAR



Bobbink & Atkins

Nurserymen and Florists

Rutherford, - N. J.

BOXWOOD AND EVERGREENS

Boxwood, Pyramid:

2½ ft. ...	\$1.00 each	4½ ft. ...	\$3.50 each
3 ft. ...	2.00 each	5 ft. ...	4.00 each
4 ft. ...	2.50 each	5½ ft. ...	5.00 each
4 ft. ...	3.00 each	6 ft. ...	6.00 each

We have a large quantity and fine assortment of small EVERGREENS for Window Boxes and Vases:

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes.

A Visit to our Nursery will convince you we have the quality that gives satisfaction.

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana	Niobe
Paul Weber	Prof. Wolters
Rapbael	Simon Mardner
Vervaeana	Louis de Kerchove
Mme. Van der	Deutsche Perle
Cruyssen	John Llewellyn
Dr. Moore	Mme. Jos. Ver-
Mme. Cam. Van	vaene
Langehove	Memoire de L'Van
Paul de Schryver	Houtte
Sigismund Rucker and others.	

Dia.	Doz.	100	Dia.	Doz.	100
8-10,	\$3.50	\$25	15-16,	\$9.00	\$75
10-12,	4.50	35	16-18,	12.00	90
12-14,	6.00	45	18-20,	25.00	200
14-15,	7.50	60	20-24,	36.00	300

Order early to save heavy express charges; impossible to ship by freight in cold weather.

NEW SEEDLING ROSE "RADIANCE"

A Seedling from Cardinal, a brilliant rosy carmine with rich opaline tints in the open flower; the form is fine, large, with cupped petals; bud long, brilliant, radiant, with extra long stems; a constant bloomer, very fragrant, foliage abundant and of splendid substance.

2½ inch pots \$18 per 100, ready for delivery in March.

Cash from unknown correspondents.

JOHN COOK,

318 N. Charles St., - Baltimore, Md.

CHRISTMAS PLANTS

We have on hand an extra fine lot of

JERUSALEM CHERRIES

which we offer at \$2 and \$3 a dozen.

Cash with order please

PAUL DE NAVE

Tel. 615-21 39 Farnham St., Fall River, Mass.

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Rooted Cuttings Ready December 15th

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following:

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Rooted Cuttings Ready January 1st

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Cottage Gardens Co., Inc.,

QUEENS, LONG ISLAND, N. Y.

A Few Left of the New Dawson Rambler Roses DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees and Shrubs and Hardy Herbaceous Perennials

EASTERN NURSERIES, JAMAICA PLAIN, MASS.

HENRY S. DAWSON, Manager

SMITH'S Chrysanthemum Manual

By ELMER D. SMITH

The most practical work of its kind.
40c prepaid.

Elmer D. Smith & Co., Adrian, Mich.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.

GERANIUMS

SPECIAL OFFER for immediate shipment. For \$25.00 cash we will send the following collections of 1325 plants, in Zonals, Ivy Leaved, Fancy and Scented. This makes a complete assortment, and every one the best in its class. Do not ask us to send part of this order at this price.

- 50 each of the following 20 varieties Zonal Geraniums, 1000 in all.** Alphonse Ricard, Anais Segalas, Baute Pontevine, Col. Thomas, Cousin Janie, Fleuve Blanc, Jean Oberlee, Jules Vasseur, Le Cid, Mme. Laporte Bisquit, M. A. Roseleur, Marq. de Castellane, Mme. Barney, Mme. Buchner, Mme. Jaulin, Mme. Landry, Mrs. Lawrence, Peter Henderson, Pres. Baillet, S.A. Nutt.
- 20 each of the following Ivy Leaved Geraniums, 100 in all.** Ballade, Corden Glory, Dina Scalarandis, L'Eleganta, Ry-croft's Surprise.
- 20 each of the following Variegated Geraniums, 100 in all.** Masterpiece, Mountain of Snow, Mrs. Pollock, Silver Leaf S. A. Nutt, Sophie Dumaesque.
- 10 each of the following Scented Geraniums, 100 in all.** Apple, Balm, Capitatum, Clorinda, Dale Park Beauty, Nutmeg, Quercifolium, Kadula Major, Rose, Schotteshampet.

25 Pansy Geraniums.

NEW GERANIUMS PRICE LIST NOW READY

R. Vincent, Jr. & Sons Co., WHITE MARSH, MD.

CARNATIONS

Field Grown Plants

Pres. Seelye, 1st size	Per 100	Per 1000
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MISCELLANEOUS

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" " " " " " " "	4.00	40.00
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Notes From the Arnold Arboretum

The botanical exploration of Western and Central China in recent times has also resulted in the discovery of a number of new Conifers of which several have been successfully introduced into cultivation. Besides the species mentioned below there are of the genera *Pinus*, *Abies* and *Picea* a few other species to which it has not yet been possible to assign names and of which consequently nothing can be said at present.

A handsome new Pine which has already proved perfectly hardy at the Arboretum is *Pinus Armandi*, from the allied *P. koraiensis* chiefly distinguished by the glabrous branches. The bright green slender leaves, five in a cluster, are about four inches long; the cones resemble those of *P. parviflora*. This Pine was first introduced by the French missionary Armand David and distributed by Vilmorin, from whom the Arboretum received seeds about ten years ago; recently it has been again introduced by Wilson. Probably not hardy here will be *Pinus yunnanensis*, a three-leaved Pine related to the Himalayan *P. longifolia* and *P. Kashia*; the leaves are about eight inches long and the ovate cones measure about 3 inches in length.

Abies Delavayi is allied to *A. Veitchii*; the leaves are about one inch long or a little less, with strongly revolute margins and only slightly whitish beneath and are arranged in two rows. The oblong dark blue cones are about three inches long with the bracts exceeding the scales and spreading before maturity. An allied species is *Abies Fargesii*, but the leaves are not revolute at the margin and very white on the under surface and the dark purple cones are somewhat longer with the bracts not exerted. This is according to Wilson one of the finest Chinese Conifers and reaches a height of 175 feet. As both species grow at an altitude of about ten to twelve thousand feet, they will doubtless prove perfectly hardy here.

Keteleeria Davidiana will probably be hardier than the tender *K. Fortunei* which is since a long time in cultivation, but still very rare in collections. It is a tall tree resembling in appearance a Fir, but differing from that genus in its persistent cone scales; the obtuse leaves are arranged in two rows and are from one to two inches long, green and lustrous on both sides; the upright oblong cones are seven to eight inches long with thickish rounded scales.

Tsuga yunnanensis is allied to *T. Araragi* (*T. Sieboldii*), but easily distinguished by its larger leaves, nearly one inch long, entire at the margin and not denticulate; the nearly globose cones are a little over one inch thick.

Picea Neoveitchii resembles in foliage much the Japanese *P. Torano* (*P. polita*); the four-sided leaves are falcate, bright green and about three-quarters of an inch long, while the cones are similar to those of *P. Morinda* and about six inches long. *Picea Wilsoni* is allied to *P. Alcockiana* and has slender four-sided leaves, less than one-half inch long and very numerous cones not exceeding two inches in length.

Larix chinensis is allied to the Himalayan *L. Griffithii*; like in this species the bracts exceed much the scales of the oblong cone, but the cones are shorter, only about two inches long. The bluish green linear leaves

are about one inch long. Similar in foliage is *Larix Potanini*, but the cones are only one and a half inch long with the bracts shorter than the scales.

Libocedrus macrolepis is a very handsome tree, also as a young plant, and is related to *Arbor Vitae* and *Thuyopsis*. The flattened branches are densely clothed with scale-like pointed dull green leaves. In its native habitat it reaches a height of about one hundred feet, but as it comes from southern China, it will probably not be hardy in the North.

Cephalotaxus Oliveri does not differ much from *C. drupacea*; the leaves are about one inch long and obtusely pointed at the apex.

Though since a long time in cultivation *Cunninghamia sinensis* ought to be mentioned here, since Wilson secured seeds from trees growing at an elevation of four to five thousand feet. The plants raised from this seed will probably prove much hardier than those now in cultivation and may even be hardy in the neighborhood of Boston. In its native habitat it attains 80 feet in height and is a tree of very distinct and striking appearance resembling greatly the South American *Araucaria brasiliensis*.

Also of *Cupressus funebris* Wilson collected seeds at its altitudinal limit, about three thousand five hundred feet, in Western China. This will make it possible to grow this beautiful tree with the habit of a Weeping Willow and a tall straight trunk much farther north than now, though we can hardly hope that it will be hardy here.

Alfred Rehder.

Thalictrum dipterocarpum

At the last meeting of the Boston Gardeners' and Florists' Club a very good specimen of the above plant was shown from the Hunnewell Gardens and though it attracted considerable attention no special mention was made of it. This plant was sent into cultivation by Mr. E. H. Wilson and when shown on Aug. 18, 1908, by Messrs. Veitch of Chelsea before the Royal Horticultural Society it was worthily granted an award of merit. Generally speaking the *Thalictrums* are not particularly ornamental plants but this new species is quite one of the best of the many fine hardy plants Mr. Wilson has been so successful in introducing. In its native habitat, *Thalictrum dipterocarpum* is found on mountain slopes growing among the grass and other dwarf vegetation where it attains a height of six to eight feet and in this country it would succeed well in the herbaceous border where, during the early stages of growth, it received the shade of surrounding plants. The foliage is particularly light and graceful resembling a maidenhair fern and the flowers which are very freely produced on each stem are about three-quarters of an inch across and bright rosy purple with a profusion of conspicuous citron-yellow anthers. Mr. Wilson collected seed of this *Thalictrum* around Tachien-la on the frontier of China and Tibet and considers it one of the most delightful plants he found in China, an opinion one can heartily agree with.

Arthur. E. Thatcher

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"Once mair I hail thee, thou gloomy December."

Welcome
 December

It is with mingled feelings that the floriculturist sees "gloomy December" enter. He is no true floriculturist if he feels no pangs of regret at seeing outdoor verdure wrecked and the beauty of

flowers and verdure supplanted by the frigidity of snow and ice and yet the advent of the wintry days means to him opportunity and cheery inspiration for work which promises an ample return for well-directed effort. Christmas is coming—already the well-fed roses, bristling carnations and glowing poinsettias are bursting into the luxuriant harvest which the diligent grower has timed to a nicety. Thus every disagreeable phase of our life has its compensations. Let us hope that all conditions may conspire to bring success and substantial recompense to those who toil among the flowers and whose days are devoted to softening winter's harshness and brightening with Nature's fairest products the homes of their fellowmen.

The last
 flower of
 autumn

As remarked in another column of this paper, the hardy asters, of which America alone furnishes forty or fifty distinct species, are being given considerable attention in recent years by hybridists and improved forms are being brought forward from time to time for the use of the hardy garden planter. They are among the most desirable in the entire list of hardy perennial subjects and the only reason why they have not been seen more frequently in our suburban grounds is probably their great abundance in a wild state. It is only of late that American gardeners have begun to fully appreciate the worth of native plants and their adaptability for many purposes above any and all exotic material. We have nothing either native or foreign which can at all compare with the hardy asters for late display of flowers in the garden. They are the very last to stay with us, the later species seeming reluctant to go, and stray sprays of bloom may often be found as late as the last week in November.

Supplying
 a demand

Some of the most enterprising nurserymen now make it a part of their business to have in stock at all seasons of the year, hardy vines and climbing plants, as well as other ornamental outdoor nursery stock, in pots. These can be planted out at any time and are a valuable acquisition for people who are not prepared to do their planting at the usual dormant period. Of this kind of buyers there are always plenty, who, from force of circumstances or because of procrastination—that world-wide human failing—are sure to be looking for things with which to adorn their gardens and homes at seasons when transplanting from the open ground is out of the question. A very much larger trade than has been done in this line hitherto should and probably will be developed. The main requirement now is greater publicity. Special advertising and a wide-spread educational campaign with public demonstrations at the horticultural exhibitions everywhere, on this and analogous matters which the people should be better informed about, would give a big impetus to the most profitable end of the nurseryman's business.

Aster Nova-Belgii Evening Star

This beautiful hardy aster is a new variety raised in northern Europe, color a fine blue. These Michaelmas Daisies, so-called, are being used extensively at the present time especially in England, and indeed all over Europe. Large beds are planted in Hyde Park, England, for fall effect. About Boston, Mass., they are also becoming very popular and far-seeing nurserymen are cataloging them. At the Farquhar nurseries fully forty or fifty selected varieties are grown among which are some fifteen or twenty new sorts noticeably improved in color and size of flower and in floriferousness.

Progress in Geraniums

The Zonal Pelargoniums are mostly natives of Cape of Good Hope, a few from Australia. Few subjects that have ever been taken in hand have so richly and liberally rewarded the hybridist's labor. The great number of varieties listed in the catalogues embraces a range of form and color that is truly astonishing and bewildering, and the number is being added to, each year. It would seem every year as if the height of perfection had been reached, and yet when we see the results of the hybridizer's art in the new introductions each season we must confess that there is an improvement in many ways. What the future will be no one knows.

It would be difficult indeed to name a more universally popular flower than the "Geranium," or Pelargonium zonale with its allies, the Scented, Ivy Leaved and Fancys. The rose, the carnation, the chrysanthemum and other more or less popular flowers may all have their special seasons to fill, but it is for the Geranium to be everybody's flower. Everywhere and at all times, the joy alike of the rich and poor, the old and young, wherever civilized man may make his home, the Geranium is there to cheer and brighten by its presence today the same as it did in our grandmothers' time.

In the home of the tenement dweller we find it struggling for existence and succeeding well at the only window in the room. Perhaps the sun rarely if ever shines there, but yet, from early spring until long after the frosty nights have been followed by winter's death and destruction of all that is beautiful in nature we find the Geranium is still there, blooming to gladden the heavy hearts and revive the drooping spirit, and when trouble comes or cares oppress, it is often the only beam of sunshine that enters the dreary home.

In the conservatory of the wealthy we find the Geranium grown to magnificent specimens, that are a wonder to behold, masses of the most vivid scarlet dazzling to the eye, or covered with flowers of the most exquisite marking or blending of colors that win enthusiastic admiration from even the most careless observer.

As a summer bedding plant there is nothing that can take the Geranium's place. In the spring we have flowers, flowers everywhere, beautiful beds of hyacinths and tulips which in a few weeks are gone, to be followed by a magnificent display of shrubbery that makes our home look indeed like a paradise, but how soon they fade and their loveliness has passed away as the dream of the night. Then the roses come. With gladness we hail the "Queen of Summer" and the air is made fragrant with her presence. They are beautiful indeed but how soon they bid us adieu, and in their place we have an abundance of green bushes and vines. It is all through the entire category of summer flowers—anticipation, then realization for a short time, and then disappointment. It is then that we turn with a longing eye to the Geranium, as something we can depend on to fill our empty vases and window boxes, and beautify our lawns, from the time they are planted in the early spring until cut down by the late frost; even then if they are dug up and given a favorable opportunity they will continue blooming all through the winter. The Geranium is the one friend that we can depend on to stay with us and to always "make good."

Great strides have been made during the past quarter of a century in the cultivation of geraniums. Only a few years ago it was the custom for every florist to carry

his geranium stock over during the summer, and it was generally the stock that we had left from the summer sales, not the best stock either but such plants as we could not sell. These were planted out either in the nursery or in frames, in many cases to fight for existence with the weeds and trash; then about the middle of August the first batch of cuttings was taken off and laid on the greenhouse tables to wither a few days before they were put in the cutting bench. A little later, after it had gotten cooler, another batch was taken off and put direct in the cutting bench. If this did not make enough of certain kinds the old stock was dug up and kept for winter propagation, making the bedding stock for late sales. After the cuttings had rooted they were either potted up in thumb pots or planted in flats to be placed in the most out-of-the-way corner of the greenhouse until long about the last of February or first of March, or until the stevia, eupatorium and other necessary flowers had been cleared from the table, when they were brought forth to be gotten ready for spring sales. It was as necessary then as now that they should be in bloom, and that they should be fairly good plants, but now the flower-buying public has been educated to such a degree that to sell them a geranium it must be well branched, and have perfect foliage, leaves from the pot up, with a flower truss as large as a hydrangea held well above the foliage.

But this manner of carrying stock and propagation could not last long, for there was always the deterioration of stock, so that in a very few years the grower had bred for himself a stock of the very poorest geraniums that nature would allow him to, and he was face to face with the fact that his geraniums did not bloom as they should, and that they seemed to have a weak diseased constitution, which he could not understand. Why should he have such poor stuff, when his friend who happened to be a private gardener and who had started with the same kind of stock, perhaps from the same source, should have them so fine? He would then get this friend to let him have his surplus cuttings in the fall, and the same process of deterioration would be started over again with the same results.

Now the successful retail florist or the man that grows geraniums to the finished condition for the retail trade endeavors to sell completely out, and then buy new stock from a geranium specialist, in just the number and kinds that his experience has taught him his trade is likely to require. In this way he gets what is up to the highest standard of perfection and it is the specialist's business to keep his stock selected up to as true a type as possible, always on the lookout for those with a weak or diseased constitution or those plants that show the least variation from the true type.

The propagation of geraniums as carried on in this way has become a special branch of the florist business in which thousands of dollars are invested, requiring large ranges of houses. In most cases the stock is planted in greenhouses either on tables or solid beds, where it can stand for at least two years and propagation is carried on to a certain extent throughout the whole year, those propagated during the last summer and fall being used as pot plants for spring sales, those propagated during the winter for bedding stock and those propagated in the summer for winter flowering.

Whitemarsh, Md.

R. A. Vincent.

(To be continued.)

NEWS OF THE CLUBS AND SOCIETIES

ROYAL HORTICULTURAL SOCIETY.

At the committee meeting, Nov. 9, an award of merit was bestowed on *Laelio-cattleya* Corunna, whose parentage was unknown to the exhibitor, Lieut. Col. Holford. The petals and sepals were of a bright purple, the lip dark purple, with orange stain in the throat. The flowers measured generally about 6 inches in width. From this exhibitor came *Cypripedium Dante magnificum* = *Euryades* × *Charlesworthii*. The dorsal sepal has a white ground, and purple lines traversing it. The pouch is of a brownish tint, and petals brown on green, the flowers of moderate size. *C. Leeanum Niobe*, a flower of a dark brown varnished purple color with dorsal sepal white with purple lines, a pleasing flower. Other varieties were *C. Darius*, *C. Rossetti magnificum*, a yellowish flower, etc. Mr. Goodson, an amateur cultivator of repute, showed *Brassocattleya Lily Bourdas* = *Laelio-cattleya callistoglossa ignescens* × *Brassavola Digbyana*, a large flower, the throat light purple, striped purple at the mouth, paling off to faint lilac towards the edge; *Sophrocattleya Doris*, a cross of *Sophrontis grandiflora* and *Cattleya Dowiana*, the color a bright scarlet in all its parts.

Comte J. d'Hemptin of Ghent, received an award of merit for *Laelio-cattleya* Baroness Schröder variety Mme. Henriette. The solitary flower shown was of a light purple tint with a brighter purple streak down the lateral petals and sepals, lip orange, purple at the tip. The color is a singular one among *Laelio-cattleyas*. Some *Odontoglossum* hybrids of fine colors and well grown, six in number, came from the same exhibitor.

J. Cypher & Sons received a silver Banksian medal for a collection of *Cypripediums*. A beautiful *Odontoglossum* was shown by S. P. Walker, named Jasper Walker. It was circular in outline, and each segment, excepting the lip, is white with a light purple tip, and the lip is white spotted with brown.

Ed. V. Low showed *Oncidium incurvum album*, a pure white Mexican species. The specimen shown possessed an inflorescence 2½ feet in height, bearing 200 of its minute blossoms.

Messrs. Charlesworth & Co. showed many plants of orchids and among them *Sophrocattleya Eros*, of a crimson color; *Sophro-laelio Marriotiana*, orange scarlet; *Houlettia Brocklehurstiana*, a showy, distinct species, and several more species of orchids.

Stuart Low & Co. showed a small group including *Cattleya Armstrongae*, having flowers of pale lilac, throat yellow, the edge of the lip light purple; *Laelio-cattleya Tenos* = *C. Bowringiana* × *L. C. Nysa*, an orchid of a glorious color of two shades of purple; *Drewett's* variety of *Cypripedium Acteus*; *C. nitens magnificum*, *C. insignis* King Edward, *C. triumphans superbum*, a handsome, shiny, dark purple flower, and several other species and varieties.

Carnations—Messrs. S. Low & Co. were exhibitors of carnations, among

the new varieties of merit being Royal Purple, Pink Delight, Mrs. Crook, Rival, a full scarlet; *Rosedore*, also a fine scarlet; *Aristocrat* and *O. P. Bassett*.

Codiaeums shown by J. Veitch & Sons were excellent examples of good culture and to many persons were a great surprise. The leaf coloring was finely brought out, and the plants measured 2 feet to 7 feet in height. A silver gilt Flora Medal was awarded for the exhibit.

H. B. May showed excellent ferns in fine condition. The following were the newer varieties of *Nephrolepis*, viz., *N. exaltata Marshalli* with crested pinnae appearing on the upper surface of the fronds, which latter are superimposed in two or more layers, a highly decorative sport of *N. exaltata Amerpohli*. A first class certificate was awarded to it.

FREDERICK MOORE.



H. C. PHILPOTT,

President-elect Canadian Horticultural Association.

MINNESOTA STATE FLORISTS' ASSOCIATION.

At the meeting on November 18, Mr. Ch. Hansen, just returned from Copenhagen, entertained the members with his observations of the flower trade as carried on in that city, by florists exclusively. Mr. Dysinger read a very interesting and thoughtful paper entitled "Looking Outward." H. Will gave a talk on the Chicago and Milwaukee flower shows and Prof. LeRoy Cady read a paper on "Plant Breeding in Minnesota." He showed how Minnesota had advanced from a fruit-barren state to one of the most important in the fruit-growing list and praised the work of the Experiment Station, through the work of which the yield of wheat had doubled in about 25 years.

Exhibits of chrysanthemums and carnations were made by L. S. Donaldson and chrysanthemums by E. Nagel & Sons.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Landscape Gardening Classes.

Members desiring to join these classes are reminded that they were resumed on Tuesday evening, November 23, and will be continued each Tuesday evening at 7.30 o'clock, at Horticultural Hall. The teacher is Mr. R. W. Aldrich, the tuition fee very low, and these classes give special opportunities for all desiring to gain more insight into landscape gardening than they possess, at a very low cost. These classes are restricted to club members; any not belonging to the club but desiring to join these classes must sign an application blank and forward one year's dues, \$2.50, to the Secretary.

Field Day.

The club will hold its next field day at the establishment of Geo. E. Buxton and August Gaedeke & Co., Nashua, N. H., on Saturday, December 11, 1909. This will be the first outing the club has had to the Granite State, and it is sincerely hoped that a large number will avail themselves of the opportunity to inspect the places named.

Trains leave North Terminal Station at 11.30 a. m., arriving at Nashua Junction at 12.33.

W. N. CRAIG, Sec'y.

NATIONAL FLOWER SHOW.

A meeting of the National Flower Show Committee was held Nov. 19, at Horticultural Hall, Boston, for the purpose of organization and arranging a preliminary schedule. J. K. M. L. Farquhar, Robert Craig, Edward A. Stroud, William J. Stewart of the S. A. F. committee, present. The committee inspected Mechanics' Hall and obtained an option on it for March 23 to April 4, 1911. About \$15,000 will be apportioned for premiums.

All the committee present were very enthusiastic over the outlook for Boston, 1911. President-elect of the S. A. F., F. R. Pierson, presided at the meeting and S. J. Goddard served as secretary.

The S. A. F. Committee Chairman Pierson requested the Massachusetts Horticultural Society, Boston Co-operative Flower Market, Park St. Market, Gardeners' and Florists' Club, to appoint each three members to compose a general committee. The Massachusetts Horticultural Society will appoint at next regular directors' meeting. Boston Co-operative Flower Market appointed Wm. H. Elliot, Norris F. Comley and John McFarland. Park St. Market—S. J. Goddard, E. Allan Peirce and Alex. Montgomery. Gardeners' and Florists' Club—P. Welch, Duncan Finlayson and Thos. Roland.

The next meeting will be upon the call of Committee on Preliminary Schedule.

S. J. GODDARD, Sec. of meeting.

PENNSYLVANIA HORTICULTURAL SOCIETY.

We have received copies of the schedules of special premiums offered for the spring exhibition to be held in Philadelphia, March 15, 16 and 17, 1910, by Hosea Waterer (\$215.50), Henry A. Dreer, Inc. (\$126.00) and H. F. Michell Co. (\$200.00). Waterer's premiums cover the various classes of tulips, narcissi, hyacinths, callas, spireas, lilies, lilacs, rhododendron Pink Pearl and hippeastrums. Dreer provides for roses in thirteen classes, irises, primulas, wall flowers, asparagus, Azalea mollis, campanulas, anthuriums, amaryllis, Nephrolepis Schoelzeli, Acanthus montanus, etc. Michell's list includes hyacinths, tulips, narcissi, lilies, lily of the valley, yellow callas, irises, cinerarias, amaryllises, violets, azaleas and similar spring forcing favorites.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Cincinnati, Ohio.—Seedling 201-6-08, Jap., white tinted light pink. Exhibited by Elmer D. Smith & Co., Adrian, Mich. 87 points. Certificate.

—Seedling 299-2-08, Ref. Jap., shell pink. Exhibited by Elmer D. Smith & Co. 88 points. Certificate.

Chicago, Ill.—Seedling 109, Anem., lemon yellow. 78 points.

Philadelphia, Pa.—Seedling 299-2-08, Jap., light pink. Exhibited by Elmer D. Smith & Co. 83 points commercial, 83 points exhibition scale.

AMERICAN CARNATION SOCIETY.

New Carnations registered by W. H. Shumway, Berlin, Conn.: Elizabeth—Parentage uncertain. Color brilliant red. Size 3 to 3½ inches. A good grower of excellent habit. Not overmuch grass, every shoot flowers. Does not discolor after cutting, and a wonderful keeper. Almira—Enchantress x Wm. G. Scott. Bright pink like Wm. Scott. Size 3 to 3¼ inches. Upright and erect in growth, with good constitution. Free bloomer and has a good calyx. Easy to propagate.

A. F. J. BAUR, Sec'y.

CLUB AND SOCIETY NOTES.

The Colorado Florists' Club has elected the following officers: J. A. Valentine, pres.; T. D. Long, vice-pres.; A. H. Bush, sec.; Ben Boldt, treas.; C. R. Root, N. A. Benson and J. A. Sked, trustees.

The Tri-City Florists' Association were entertained on the evening of November 18 by Emil Boehm, superintendent of parks, Davenport, Iowa. A discussion was had on "Christmas Baskets." Fine carnations were shown by Messrs. Anderson and Ewoldt.

The fifteenth annual meeting and exhibition of the Vermont State Horticultural Society opened at Newport on November 16. At the session on Wednesday morning, Governor Prouty delivered an address of welcome. Apples were the main topic for discussion.

The following officers were unanimously elected by the Florists' and Gardeners' Club of Rhode Island at their last meeting: Robert Johnson,



PALM GROUP

By Danker at the Exhibition of the Albany N. Y. Florists' Club.

pres.; Eugene A. Appleton, vice-pres.; William E. Chappell, sec.; William Hill, treas.; executive committee, James Hockey, Cornelius Hartstra and Harry Clark; James Dillon, librarian.

On Tuesday evening after the closing and cleaning up after the Albany Florist Club Show, the hard workers and friends who helped to make the show the success which it was, drove to Henkes Bros' greenhouses at Newtonville and enjoyed a deer supper, which was served in the new greenhouse, Mr. Fred Henkes having just returned from the north woods with a great prize.

The Minnesota State Horticultural Society will hold its forty-third annual meeting in Minneapolis on Tuesday, Wednesday, Thursday and Friday, Dec. 7, 8, 9 and 10. In connection with this event will be held also the Minnesota State Forestry Association, the Minnesota Rose Society, the Plant Breeders' Auxiliary, the Women's Auxiliary, the Minnesota Florists' Society, the Minnesota State Beekeepers' Society, all being auxiliaries of the Horticultural Society.

THE INTERESTS OF RETAILER, WHOLESALE AND GROWER IN FLOWER SHOWS.

Remarks Before the St. Louis Florist Club, by J. F. Aumann.

Most retailers who do not exhibit give as a reason—too much trouble and expense. Yet a well-managed flower show is the best educator and cheapest advertiser known to the profession today. It is only the drones of the profession who will not grasp at the opportunity to advertise themselves as well as help the good movement along by taking active part in the exhibitions. The retailer is the only branch of our profession who comes in direct touch with the con-

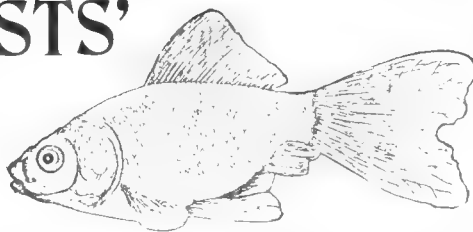
sumer. The more ways and means he can provide to create a demand for the product the more he is benefited. Where is that means more at hand, and where can it be procured for less money than at a flower show, where he is paid for filling his space and where newspaper items are published for him (advertising he could not purchase at all) for absolutely nothing?

For the wholesaler I always have had a soft spot in my heart, for he stands between two fires all the time. The grower expects high prices and the retailer wants to buy cheap, so in steps the wholesaler and says, "We will split the difference," and it goes. If it were not for the wholesaler, the retailer and grower would not be on nearly such good terms as they are. On one thing we can all agree—that is, if the retailer can devise a scheme by which he can create a stronger demand for his goods the wholesaler is also benefited by it.

When we talk about the grower I begin to feel a little more familiar with my subject, for I have been a victim to this branch for nearly a quarter of a century and I only hope I may continue so for another quarter. If flower shows are a benefit to the retailer and wholesaler they are doubly so to the grower, yet no producer of any article manufactured or grown is so slow to take advantage of exhibiting his wares as the average grower of flowers and plants. We can readily recall where farmers and stock raisers, as well as manufacturers, pay exorbitant prices for space at various exhibitions and fairs to show their product. The flower grower on the contrary, is paid, and in most cases paid well for his exhibition, and in addition gets big advertisement for his goods. I hope the day is not far distant when all growers will see the flower shows in the light so many of our leaders have already and help to make them always a success.



FLORISTS' XMAS



Special Offer



HERE IS AN OPPORTUNITY that no far-seeing Florist can afford to overlook. MY XMAS OFFER IS A SURE MEANS OF PROFIT and just the opportunity for the Florist who has never handled Goldfish, Aquaria Goods, etc., and wishes to give this line a fair trial. This exceptional offer embraces a well chosen and wide range of Globes, Goldfish, etc., that will allow you to make excellent display. The outlay is small, the gain large and you cannot fail to profit by the investment.

**Goldfish and Aquariums are most acceptable Holiday Gifts.
Pleasing to young and old, rich and poor.**

XMAS NEAR.

LAST CHANCE.

ORDER NOW.

DON'T DELAY.

Invest \$20.50 Realize \$55.00 Gain \$34.50

For \$20.50 I Will Send You The Following:

6 Tripod Aquarium complete with 2 Goldfish, Aquaria Ornament, Plant, Pebbles and Shells for each, satin bow and brass chain. RETAILS AT \$1.00 PER OUTFIT	\$ 6.00
6 Pint Globes with 2 Goldfish for each. RETAILS AT 25c PER OUTFIT	1.50
6 Quart Globes with 2 Goldfish, Aquaria Plant, Pebbles and Shells for each. RETAILS AT 35c PER OUTFIT	2.10
6 Novelty Globes with beaded rim and brass chain complete with 2 Goldfish, Plant, Pebbles and Shells for each. RETAILS AT 40c PER OUTFIT	2.40
6 Half Gallon Globes complete with 2 Goldfish, Aquaria Ornament, Plant, Pebbles and Shells for each. RETAILS AT 50c PER OUTFIT	3.00
6 One Gallon Globes complete with 3 Goldfish, Aquaria Ornament, Plant, Pebbles and Shells and Floating Duck for each. RETAILS AT \$1.25 PER OUTFIT	7.50
6 Two Gallon Globes complete with 4 Goldfish, Aquaria Ornament, Plant, Pebbles and Shells and Large Floating Duck for each. RETAILS AT \$2.25 PER OUTFIT	13.50
2 Three Gallon Globes complete with 6 Goldfish, Large Aquaria Ornament, Plant, Pebbles and Shells, Large Floating Duck, Imported Majolica or Lava Base for each. RETAILS AT \$3.50 PER OUTFIT	7.00
1 One and a Half Gallon American Footed Globe complete with 4 Goldfish, Large Aquaria Ornament, Plant, Pebbles and Shells and Floating Duck. RETAILS AT	2.50
45 Boxes Fish Food (Imported Waters). RETAILS AT 10c PER BOX	4.50
EXTRA	
25 Medium Goldfish. RETAIL AT 10c each	2.50
25 Silverfish. RETAIL AT 5c each	1.25
25 Tadpoles. RETAIL AT 5c each	1.25

GRAND TOTAL.....\$55.00

Terms: Strictly cash. Order will receive immediate attention. Goods forwarded by freight, tracer following. Goldfish and plants by express. Take advantage of this greatest offer. Other florists have found goldfish profitable, so will you. Latest Catalogue on Goldfish, Aquaria Supplies, Birds, Cages, Bird Foods, etc., mailed on request.

BISHOP the Bird Man and Pioneer Goldfish King

Established 33 years. Main Store Office and Shipping Dept.,

12 N. Front Street,

BALTIMORE, MD.

LOOKING OUTWARD.

(A paper read before the Minnesota State Florists' Association by S. D. Dysinger.)

To a man cooped up in an office ten hours a day, the outward view in our business is always the rosy one. The fellows who work in the fresh air amid the growing flowers are to be envied. They work with their hands and gain a glorious appetite, and if they work with their heads the result is seen in better flowers, choicer varieties or improved sorts. Nature lends a helping hand and from the common weeds of our forefathers have been evolved the priceless beauties of today. Surely work with such surroundings ought to bring out the best there is in any man's mental or spiritual being. The office man in many ways becomes narrow, wedded to single ideas, systematic and automatic. He may admire what you growers produce, but he does not fall in love with his work and surroundings the way you fellows ought to.

What can be more interesting than to watch the seed swell, become a living plant, put forth roots and

branches, develop leaves, bud, blossom, seed and decay. Isn't the evolution of life in human, animal or vegetable kingdoms the most interesting thing possible on this old globe of ours? And when you assist Nature in the development of life and beauty aren't you more interested than you would be in chasing facts and figures in an office?

A Business to Love.

Someone has aptly said, "The undevout astronomer is mad," and it might truthfully be said, "The unbelieving florist is mad." Perhaps I may be called a "sentimental old maid" for expressing these thoughts, but I will go farther than the old maid and say that any florist who is not in love with the growing end of his business ought to get out and stay out. The trade is not suited by anyone who sees only the dark sides and difficulties of the business.

While the office man's position is not as pleasant as the outside man's, it is nevertheless an important one and right there is the weakest link

in the trade today. You may be a good grower and secure all the first prizes at the shows, your roses may be the talk of the country, your carnations and violets may be sought after by the best buyers, your geraniums and bedding plants may be the finest in the land, your chrysanthemums may be as large as wash tubs, and your fame as a grower may be national. You may be "it" in the florist world with a big I, but if you are all these and more and fail to look after the clerical end of your work, you will never be in the front ranks of the trade, but will drudge out your life for a mere pittance and go bankrupt in the end.

"Keeping Tabs."

No matter whether your business is small or large, no matter whether you have one 30-foot greenhouse or a million feet, it is essential for the success of your business that you have some method of bookkeeping, of keeping accounts, of knowing what your receipts and disbursements are and that your profits are. You need not

GET YOUR HOLIDAY FLOWERS

Holly, Greens and Florists' Supplies from
New England's Largest, Most Central and
Longest Established Wholesale Market.

Roses, Orchids, Gardenias

Carnations, Lily of the Valley, Violets, Poinsettias,
Lilies, Sweet Peas.

Everything Seasonable and Fancy in Cut Flower Stock,
the Product of the Best Growers in New England, the
Year Round.

PROMPTNESS, RELIABILITY AND REASONABLE PRICES

Send for Current Price List and Christmas Rate Sheet

Holly and Mistletoe Ready About December 15

PLACE YOUR ORDER NOW

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WELCH BROS. 226 Devonshire St.
BOSTON

be an expert accountant to do this. You only need devise some method of accounting and, after devising it, follow it up until you know a better one. While there are many well-regulated places, but very few in the business can give even an approximate idea of what it costs to produce a rose, a carnation, a chrysanthemum or a bedding plant, and if you can't give even a good guess, how do you know whether you are selling your products at a profit or at a loss? I venture to say that not more than 25 per cent. of all in the business know what is the most profitable thing or things to grow. Of course we know that paying \$22.00 per 1000 for tulips which we sell for \$20.00 is unprofitable, but do we know whether we should obtain \$30.00 or \$40.00 or \$50.00 per 1000 for them in order to make the transaction profitable? Too many fail to keep tab on expenses; too few keep tab on receipts and disbursements. How many take inventory at the end of the year, and how many have any "end of the year" at all? How many go on the theory that if they owe less this year than last, they are worth more and must be making money? Or if their sales are larger this year than last, their profits must necessarily be larger. You may know the ins and outs of your business to perfection, but you will never reach the full limit of success until you know where you are making the most money and where you lose the most. It's the small leaks that eventually sink the ship and the small holes should be firmly plugged before they become large ones.

Use Brains as Well as Hands.

If employes would learn to grow one thing well at a time, and strive to do better than the other fellow, what a vast improvement in quality and quantity there would soon be. I know of no field of human endeavor where the chances for development are greater than in this. If some ambitious florist had not tried to improve on the old-fashioned "pinks" we would have "pinks" today instead of 4-inch carnation blooms. If some enthusiast hadn't put time and thought on the small chrysanthemums



EVER-BLOOMING CRIMSON RAMBLER,
FLOWER OF FAIRFIELD.

Showing flowers and young shoots on which
next crop of flowers will follow.

of a generation ago, we wouldn't have them today as large as dinner plates. So it is in every line of plants or flowers. If you can grow them a little better than your neighbor, your services will be worth more than his and someone will soon find it out. Brain work will develop you. If the bricklayer earns more in a year with his hands than you do with your brains, there is something wrong. Either there are too few bricklayers or too many florists, or the bricklayer has been using his brains and the florist his hands only. Be thorough in everything. If you can't pot as many plants in a day as your fellow worker perhaps you can do it better. How many employers are here tonight, but who started in the business at the foot of the ladder. Didn't you work for a small salary to start with and after you had made some progress start in with small capital for yourself? And what they have accomplished others can also accomplish. I honestly believe that the outlook for faithful greenhouse men was never brighter than at present. With an immense demand for all our products, with hoards of idle money waiting for investment, any young man who knows the business, is honest, sober and industrious, can in a few years be his own master. This has been proven over and over again in the Twin Cities the past fifteen or twenty years. If you are an employe in charge of a section growing roses you should know just how many of each variety you cut during the season, how many each plant produces; how much labor, fertilizer, etc., has been expended for

TRADE FOLLOWS THE FLAG

Rice Standard:— Every important city in North America has the Rice Standard (or banner) in its chief flower stores. The best at the lowest. Always! Also the newest.

Christmas Specialties

Beech Sprays; in brown, green and red brown; size, color and finish of the very best; sold regularly at \$12.50 to \$15.00 per 100. **Our price \$10.00 per 100.**

A trial order will convince you. Sample for the asking. Get our catalog.

Moss Wreaths; beautiful natural green, lasting, easily decorated with red immortelles for Xmas, moderate in price. **Round.** \$1.00 to \$2.00 doz. **Crosses.** \$1.75 to \$2.50 dozen.

Price in quantity on application.

Magnolia and Laurel Leaves; put thro our preserving process, lasting without losing their natural lustre—and, note the price:

\$2.00 PER BASKET.

What A Good Judge Thinks

From *HORTICULTURE*
November 20, 1909.

M. Rice & Co., Philadelphia, Pa.—Catalogue of Florists' Supplies, Ribbon Specialties, etc. This beautiful album 11 x 14 inches, in covers of moss green with watered silk effect and embellished with halftone illustrations on heavy coated paper, is a credit to Messrs. Rice & Co., and the industry which they so worthily represent. "Don't turn your back on a good thing" is the motto on the introductory page. We should say that the florist who has not this useful book on his desk is certainly turning his back on a good thing. The illustrations are beautiful reproductions of beautiful handiwork, many of them new and representing every item of value to the up-to-date florist, from a complete wedding outfit of gates, kneeling stool, bell and vases, down to a toothpick. The issuing of such an elaborate work is an evidence of notable enterprise. The typographical make-up and finish are also of a high order.

Rice Stepping Stones:—

Twenty-five years of them. Every one a step forward. Do better every year—always the slogan. We rise: "on stepping stones of our past selves to higher things!"

Christmas Baskets and Ribbons

Five stories of our new building filled with these from the tiniest and lowest priced patterns to the most elaborate. You must have our catalog to get even the faintest idea of the lovely things in store for your eager buyers. They make trade for you on sight. You are losing money every day if you do not have a selection to show your customers. Plenty of red patterns for Xmas—in both baskets and ribbons. Have you one of our Ribbon Display Cabinets? \$4.50 to \$6.00—seven sizes. Don't forget red silk cords and ties. Great sellers.

M. RICE & CO.

LEADING
FLORISTS' SUPPLY HOUSE
Of America
1220 RACE STREET

Phila.

growing them, and approximately what each blossom has cost to produce. Don't you think your employer would be interested in knowing all that, and wouldn't your services be worth more to him than if you simply put in ten hours a day doing what you were told to do?

Get Out of the Rut.

If you are a foreman or superintendent and can show your employer each week or month just what you have produced and what the market value is; how much you have expended for labor, coal and sundries; if you can show these to your employer, whether asked to or not, don't you think it will interest him more than if you simply kept on growing, and doing things in the same old rut? And finally if you are an employer and obtain weekly or monthly reports from your foremen and superintendents you know pretty near where you are at all the time, and if you don't obtain or require these reports, but guess at results, will not your business finally terminate in guessing?

I am an optimist; I believe in the business else I wouldn't be in it. I believe there is more money being made in the business today than ever before. I believe the present holds far greater inducements than the past ever did. I believe the business in this part of the country is still in its infancy. I believe that every employer should try to develop the best there is in every one of his employees, both for his interest and heirs. I believe that every employee should at all times do his level best to improve his mind and his methods. I believe that with

charity for all and malice towards none, we should assist one another and stand together in all matters pertaining to our business. I believe in mutual co-operation and assistance. If you can grow a rose or a plant better than your neighbor, you ought to tell him how to do it. There has never any harm come from the spread of knowledge. You never heard of any one becoming bankrupt because he told too much of what he knew.

Lack of Unity a Great Drawback.

In union there is strength. The lack of unity is the second great drawback to the business. Harmony and good fellowship should always abound. "Get together and stay there," should be our motto. If we would do this, "price cutting" and "ruinous competition" would become obsolete terms, and department stores and Greeks would be a welcome addition to our ranks. Petty jealousies and sectional bickerings have no place in our business. The statement has been made, and I think we all believe it, that the price of our products has not increased in proportion to those of other lines, but the cost of production has. Who is to blame for this condition? The trade and the members of the trade alone. I believe that there is room for all and that true merit will always be rewarded wherever found.

As I look outward and see the many points of the business as they come into view, I wonder if in any business under the sun there are more things to annoy and worry both employer and employee, than in this. When we retire at night we don't know whether the boiler will fail and frost put us out of business by morning or not.

When we arise in the morning we don't know whether the sun will add dollars to our coffers or the clouds take dollars from it. In hot weather we pray for cooler and in the winter we long for summer. We look forward for six months or a year to the coming of Christmas and Easter and rejoice when they are past. We sleep with one eye on the fireman and the other on the thermometer, and in our waking hours have one eye on the bank account and the other on the help. Today we worry because flowers are being dumped and tomorrow sweat because we haven't enough to fill orders. But with all its drawbacks and disappointments, its sunshine and shadows, its blights and blossoms, it is an alluring, enticing business, ever beckoning us onward and upward, and if our lives and those around us are sweetened by our contact with the beautiful things of nature in which we live and work, then our work is not in vain and the Great Master in looking outward will write success on each brow as we journey homeward.

"Bishop, the Bird Man," who advertises his specialties in pets, etc., this week is unique in his publicity methods and knows the value of saleable novelties. If you are a retail florist, ask him about his money-making specialties. It will pay to "get next" to these things for the holiday season.

Please discontinue want ad. in *HORTICULTURE*. I have had many applications and think that among them can find a man who will do for me.

New York.

J. L.

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. Laurel Festooning, 6 cents a yard. Boxwood Wreaths' \$6.00 to \$18.00 per dozen. Bush Laurel, 50c. Prince's Pine Festooning, \$6.00 per 100 yards' made all round. Leucothoe Sprays, \$7.50 per 1,000; \$1.00 per 100. Dagger and Fancy Ferns, \$1.25 per 1000. New Crop Galax, Bronze, \$1.50 per 1000. Green, \$1.00 per 1000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

A Full Line of Florists' Supplies. All Kinds of Insecticides.

Chrysanthemums and Carnations, in all Standard Varieties. Roses — Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

**Seasonable
Cut Flowers**

Lilies, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus, etc.

Henry M. Robinson Co., Boston, Mass.

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ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION.

ROSE DR. W. VAN FLEET.



NEW EVER BLOOMING RAMBLER ROSE, DR. W. VAN FLEET

This new rose, to be introduced by Peter Henderson & Co., in 1910, was the subject of an illustration in our issue of July 24, last, showing it growing and blooming profusely in the garden in the month of roses. Here we have it again as a fall bloomer. The photograph from which this picture was reproduced was the work of an amateur and the flowers were not

fresh when "posed," so the illustration does not do justice to the variety, but is interesting from the fact that it shows the perpetual blooming character of the rose—a characteristic rare among really hardy climbers. Dr. W. Van Fleet is a cross between Souv. de Pres. Carnot and Wichuriana. The flowers are four inches and over in diameter, color delicate flesh

pink, deepening to the centre. It is now in its ninth year and has stood the winters at Little Silver, N. J., without injury. The variety was awarded a silver medal by the Horticultural Society of New York, last year.

PACKING PLANTS AND FLOWERS FOR SHIPMENT.

Abstract of a paper read before the Canadian Horticultural Society by H. E. Philpott.

Packing Plants.

All will admit that this is a very important subject, for no matter how fine and nice the plants are before shipment, if improperly packed, or if they are handled carelessly by the express companies so that they arrive at their destination in poor condition, dissatisfaction is sure to follow.

First see that the plants are in perfect condition for shipping; that is, thoroughly hardened, or finished to stand the trip, and if to be shipped without pots, the plants should be well rooted through, that the roots may hold the ball of earth intact, and above all see that they are thoroughly watered before packing.

Palms and other plants not having fibrous roots to hold the soil, should be shipped in pots, some support being necessary to keep the soil from crumbling. The "Neponset," or paper pots, are excellent for this purpose, being light, not subject to breakage, also packing closer in the crate. Packing wrapper or sacking, firmly tied around is often used instead of pots, and answers the purpose.

In this connection, I might say that plants are usually packed without pots

SELECT FERNS for FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of the different varieties of *NEPHROLEPIS* which will be found one of the best selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

IMPROVED ELEGANTISSIMA. The finest of all this type. It was introduced by us in 1905. This form of *Elegantissima* has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4 in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

SUPERBISSIMA. Introduced by us in 1908. A very-unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

BOSTONIENSIS, PIERSONI, WHITMANI, SCOTTII. Extra fine plants, 6-in. pots, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

unless specially agreed upon, and in the latter case a small additional charge is generally made, to cover extra expense of crates and packing, as plants in pots require much more room and care; it also adds considerably to the expense of shipping owing to increased weight.

Such plants as table ferns, asparagus, small roses, chrysanthemums, geraniums, bedding plants, and plants of like nature, should be knocked out of pots, a little of the top soil removed, and each plant wrapped in a small piece of paper, with the top open in mild weather, and with larger papers, and the top closed in colder weather. In long distance shipments a little damp moss should be placed around the root of each plant.

Larger plants, such as Boston ferns, araucarias, ficus, palms, and flowering plants should first have paper wrapped around the ball of soil, or pot, and then a larger piece covering the entire plant and coming high enough to prevent the tops from being bruised in transit; and in the case of flowering plants and plants with tender foliage, tissue paper should be used inside the newspaper or other heavier paper to prevent bruising.

About Crating.

Experience has taught us that as a rule plants travel better, arrive in better condition, and give more satisfaction when packed upright in light, strong crates with plenty of ventilation in summer or mild weather. In cold weather boxes should be used instead of crates, well lined with paper, and in extreme weather use sheet wadding also to keep out the cold. In every instance the plants should be securely cleated, to hold them in place in the crates, should they be accidentally or carelessly tipped over while being handled in transit. There may be some objections to the packing of plants upright on the ground of extra expense of packing and transportation, but I believe that in ninety-nine out of every one hundred cases, the better condition of plants, and, consequently, greater satisfaction will more than make up for the additional expense.

I would strongly urge that no boxes, or crates, weigh more than 150 lbs.,



PREPARE FOR CHRISTMAS



Headquarters for Begonia Gloire de Lorraine. In perfect blooming condition, 6 in. 50c, 75c, \$1.00; 7 in. \$1.25 to \$1.50. I have the deep pink and the light pink varieties.

Ferns, Scottii, Boston, Amerpohli, Whitmani and Todeaoides, in 7 in. pots, 95c, \$1.00, \$1.25, \$1.50. **Boston and Todeaoides,** 5 1/2 in. 35c and 40c.

Primula, Chinese in bloom, best colors, J. F. Rupp strain, 5 1/4 in. pots, \$2.50 to \$3.00 per doz. **Primula Kewensis** (yellow novelty, will bloom in Feb. and March) 4 in. 15c; 5 1/4 in. 25c each.

Asparagus Plumosa Nana, 2 1/4 in. 3c; 4 in. 10c. **Sprengeri,** 3 in. 5c; 4 in. 10c.

Kentia Forsteriana, big stock, 35 to 50 in. high, \$1.50, \$2.00, \$3.00. Made up, 50 in. high, \$4.00. **Kentia Belmoreana,** 4 in. 25c; 3 in. for fern dishes, 10c. **K. Forsteriana,** 4 in., 20 in. high, 20c. **Latania Borbonica,** 4 in. 20c. **Areca Lutescens,** 5 1/4 in. made up, 35c to 40c. **Cocos Weddelliana,** 3 in. to 3 1/2 in. 15c, 18c, 20c, 25c.

Begonia Gracilis, deep red, and new Improved **Erfordi,** 5 1/4 in. 25c. **Vernon,** 4 in. 10c. **Ferns** in 6 in. pans, made up of three plants such as *Pteris Victoriana* silver leaved fern, P. Wilsoni, P. Wilmsetti, 30c. These pans are very attractive and sell at sight. **Adiantum cuneatum,** 4 in. 10c.

Jerusalem Cherries, full of berries, 6 in. pots 25c, 35c and 50c.

ARAUCARIAS

Excelsa, 6 in. pots, 4 years old, 20 in., 25 in., 30 in., 35 in. high, \$1.00, \$1.25, \$1.50.

Excelsa glauca (blue trees), 4 years old, 6 in., \$1.25, \$1.50, \$1.75. **Robusta compacta,** 4 to 5 years old, 6 in. pots, 3 to 4 tiers, \$1.25, \$1.50, \$1.75 to \$2.00 each.

Ferns for Dishes. A good assortment 2 1/2 in. pots, \$4.00 per 100.

Azalea India, in bloom for Christmas. **Mad. Petrick** best early double pink, 75c, \$1.00, \$1.25 to \$1.50. **Deutsche Perle,** pure double white, and **Vervaeana**, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Azaleas,** all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots. **Cyclamen Grandiflorum** in bud and bloom, 4 in. 25c.

All Plants Travel at Purchasers' Risk Only. Cash with order please.

GODFREY ASCHMANN

WHOLESALE GROWER AND IMPORTER OF POTTED PLANTS

1012 West Ontario Street,

PHILADELPHIA, PA.

as they can be handled by the express company more easily. This would then prevent the danger of their being tilted on end, and in some cases turned upside down. If, however, it seems desirable to pack small plants of carnations, roses, chrysanthemums, and other stock, lying down, then comparatively small boxes should be selected, and plenty of excelsior used in the bottom and between the layers of plants to prevent heating and bruising of the foliage. The crates or boxes should always be well cleated over the top, to secure low freight rate, and the special plant rate of 20 per cent less than regular merchandise rate by express, which is allowed only when plants are well crated or boxed.

Crates or boxes should be plainly marked on top with name and address of consignee; also marked "This side up with care," "Live Plants, Perishable," "Keep from extreme heat and cold." Also, in express shipments, a notice calling the attention of express

Do You Know Aphine?

The New Insecticide Discovery.
Let us tell you about it.

Send for Descriptive Circular

George E. Talmadge, Inc.
Madison, N. J.

agent to the classification, and to the fact that the shipment should be billed at 20 per cent less than regular merchandise rate.

In this paper I have treated the subject in a general way, and taken up points that are of importance to both consignor and consignee. There are, however, special kinds and sizes of plants that require special packing and handling, and they must be treated accordingly; but I cannot enter into details here.

One thing I have always been interested in and have found of great benefit, and that is to watch the various shipments unpacked at the conventions and exhibitions, and profit by adopting their good points, and avoiding their mistakes.

Packing Cut Flowers.

Now as to cut flowers. In the first place, I dwell mostly on carnations, as that is the flower chiefly affecting the Canadian florist. I prefer stock grown outside during the summer—these should be properly and carefully handled to keep them free from disease at all times. After they are put in the houses, which is generally done during the months of July and August, they should not be allowed to come into bloom until the last of September or the first of October. Carefully pinch back any shoots that are showing buds too early.

It is not a very hard matter to arrive at a decision as to how a carnation should be cut and handled during the early part of the season, or until the middle of November, or the first part of December, when the plants have been given practically no feeding at all, but the hardest time of the year to ship carnations and have them reach destination in perfect condition is from December 1st to March 1st, and again in the spring when the weather gets extremely warm and plants make a very quick, soft growth. Therefore, we will take into consideration the proper way to handle carnations through the middle of winter. In the first place, plants should never be given an uneven temperature at night, keeping the temperature from 48 to 54 degrees, according to the variety. Feed sparingly, but often, rather than give a heavy feed occasionally, and then in feeding, use only well-rotted cow manure or pulverized sheep manure, as I prefer it to commercial fertilizers. Keep the plants in a steady growth, but do not cause a soft growth to be made from over-feeding, or high temperature, giving as much air as possible during the day. It may be necessary to keep the steam circulating through the pipes to keep up the temperature, to allow the ventilation to be open to give the plants as much fresh air as possible, especially so on bright sunny days.

Preparing the Blooms.

When the bloom reaches the proper stage of development, which is not quite fully developed, it should be cut with a sharp knife between the joints. As soon as one or two hundred are cut, they should immediately be taken to the packing shed, where they should be placed in water—have the stems in from twelve to eighteen inches of water, if possible. A cold cellar for storing carnations where the temperature is about 45 is best. Never crowd too many carnations in one jar, giving

them plenty of room to absorb as much water as possible before shipping. From three to five hours I consider would be long enough for carnations to remain in the water before packing them, according to the distance they would have to travel. In cases where they are shipped one thousand miles, requiring forty hours to make the trip, flowers would be best in water from four to six hours before shipping.

Boxing.

Use strong wooden boxes for packing them in, if lined with paper inside. There are a variety of ways, some packing flat with wet paper over each layer of stems, others in bunches of twenty-five with a piece of ice laid on paper on the stems, others again with no wet paper or ice. I have unpacked thousands of each, and noted results of each way. I prefer them laid flat with stems in centre of box, and wet paper across each layer until the box is full. By wet paper, I do not mean a piece of paper simply put in water and taken out again, but one that is soaked through and through. Then place two cleats across the stems and nail them down securely so they cannot shift. The box is now ready for the lid. I prefer the box covered with paper, thus making it as air tight as possible.

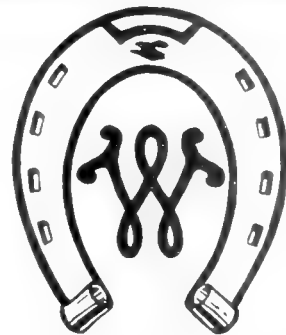
The cutting and packing of roses is practically the same except that in long distances a piece of ice is preferred.

As regards the packing of sweet peas, as soon as they are cut, place them in water for two or three hours in a cold room at about 50 degrees, then pack them with wax paper and no ice. Place a sheet of wax paper between every row of bunches. Use flat boxes and only one layer in each box.

Express Companies.

I feel I cannot close this paper without reference to the necessity for better equipment for transit, and perhaps

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway. - - New York

more care in handling while "en route."

Express cars are not properly equipped for handling flowers, especially those on through trains, such as "Toronto and Winnipeg." In the first place, cars are loaded full and it is necessary for messengers to shift flowers from one part of car to another, when sorting express matter for the many routes throughout the West. It is impossible to maintain one temperature, or nearly so, as required for safety in handling these shipments during cold weather unless properly protected.

The only way flowers can be handled with satisfaction under such circumstances is that special apartments be built for same in through cars, about six feet from side door, in forepart of car (this need not be a fixture), and when placed in this compartment can be kept at almost one temperature.

A Few Left of the New Dawson Rambler Roses DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees
and Shrubs and Hardy Herbaceous Perennials

EASTERN NURSERIES, JAMAICA PLAIN, MASS.

HENRY S. DAWSON Manager

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century,
Rose Pink Century, Virginia Maule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.

**PEACOCK DAHLIA FARMS, WILLIAMSTOWN,
JUNCTION, N. J.**

**ROEHRS, RUTHERFORD
N. J.
LORRAINE BEGONIAS**

SURPLUS BULBS

HYACINTHS	Per 100
Double Named	\$4.50
Double Unnamed	2.35
Single Unnamed	2.35

DOUBLE TULIPS	
Imperator Rubrorum	2.25
Rex Rubrorum	1.65
Superfine Mixed, early	.75

SINGLE NARCISSUS	
Princeps maximus	2.25
Golden Spur	1.75
Poeticus Burbidgei	.50

DOUBLE NARCISSUS	
Albo pleno odorato	.50
Von Sion, True Daffodil	1.00
Von Sion, Double Nose	1.80
Mixed	.80

POLYANTHUS NARCISSUS MIXED	
	.85

To secure these prices must mention this paper.

JAMES VICK S SONS, Rochester, N. Y.

OUR ANNUAL SPECIAL

Will be Issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

A business proposition pure and simple.

Send Advertising Copy EARLY.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also fine list of

Christmas and Easter Plants

Also others. Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N. Y.

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River L. I., N. Y.

ROEHRS

RUTHERFORD, N. J.

EVERGREENS

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

Grand Clearing Sale of Bulbs **BELOW COST**

All A No. 1 Bulbs, No Rubbish

7500 DUTCH HYACINTHS, SINGLE

Rose, Red, Dark Red, White, Pure White, Blue, Blush	100	1000
White, Dark Blue and Yellow	\$2.00	\$15.00

14,000 TULIPS, SINGLE

Lac Van Rhijh, Cardinal's Hat, Souvenir Bizarre, Jocaba Van Beierau, Canary Bird, Ma Plus Amable, Couleur Ponceau, Purple Crown, Breeders Mixed, and Parrots Mixed	.60	5 00
--	-----	------

8000 CALLAS

Calla Ethiopica; Bulbs 3 inch circumference	2.50	20.00
---	------	-------

7000 NARCISSUS

Paper White grandiflora	.60	5.00
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Berrydale Experiment Garden ROUTE 1, BOX 54
Holland, Mich.

Iris Pallida Dalmatica

No florist or landscape-gardener can afford to be without a good stock of this beautiful hardy plant; it is beautiful in the border, and beautiful in floral decorations; easy and strong grower. In color, a beautiful shade of lavender, similar to the darkest shades of Vanda coerulea.

\$12.00 per 100; \$100.00 per 1000.

J. A. PETERSON

McHenry Ave., Westwood,

CINCINNATI, O.

LOOK! LOOK! LOOK!

A Chance of Your Lifetime. Never to Return.

HYACINTHS, single in separate colors, per 1000, \$12.00.	TULIPS, single and double in separate colors per 1000, \$4.00.
HYACINTHS, to name, Gertrude, Giganthea, Moreno, Robert Steiger, Roi des Belges, Baron van Thuyll, pink and white, Grandeur a Mer veille, Madame Van der Hoop, La Grandesse, L' Innocence, Paix de L' Europe, Grand Maitre, Czar Peter, King of the Blues, Lord Derby, Queen of the Blues, Regulus. All Hyacinths are true to name and of fine quality, per 1000, \$22.00.	Artus.....\$6.00 per 1000 Belle Alliance.....10 00 " Cardinal's Hat.....5 00 " Duchess de Parma.....5 00 " Rose Blanche.....4 00 " Yellow Prince.....5 00 " La Candeur.....8 00 "
	CROCUS, striped, white and purple, \$1.50 per 1000.

A fine stock of BOXWOOD, in all sizes and shapes, specimen EVERGREENS Pot grown DEUTZIA LEMOINEI, and LILACS, now ready for delivery.

F. W. O. SCHMITZ,

Prince Bay, N. Y

A. N. PIERSON, Inc., Cromwell, Conn.**FULL LINE OF PALMS AND FERNS**

Send for Catalogue



Cocos Weddelliana

A Splendid Holiday Plant.

We are sending out at the present time a splendid lot of Cocos Weddelliana, in 5-inch pots, at \$1.00 each, perfect stock, of a rich dark green color, 18 to 24 inches high, just the sort of plants to appeal to your customer for house decoration.

May We Send You a Trial Lot of These?

For a full and complete list of Seasonable, Decorative and other stock, see our current wholesale list.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

BEFORE YOU THINK Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

We have just what you NEED.

William W. Edgar Co.

WAVERLEY, MASS.

HEACOCK'S PALMS

Areca Lutescens	Each	
6 in. pot, 3 in. pot, 24 to 26 in. high.....	\$0.75	
6 in. pot, 3 in. pot, 26 to 28 in. high.....	1.00	
7 in. pot, 3 in. pot, 30 to 32 in. high.....	2.00	
Cocos Weddelliana	Per 100	
2 1/2 in. pot 8 to 10 in. high.....	\$10.00	
2 1/2 in. pot 10 to 12 in. high.....	15.00	
Kentia Belmoreana	Each	12
5 in. pot, 6 to 7 lvs, 18 in. high.....	\$5.00	
6 in. pot, 6 to 7 leaves, 22 to 24 in.	12.00	
7 in. pot, 6 to 7 leaves, 34 to 36 in.	2.50	30.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00	
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00	
Made-up Kentia Forsteriana	Each	
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50	
7 in. pot, 4 in. pot, 36 to 38 in.	3.00	
9 in. tub, 4 in. tub, 42 to 48 in.	5.00	

JOSEPH HEACOCK CO., Wyncote, Pa.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/2-in. stock, \$25.00 per 100.

WHITMANII

2 1/2-in., \$40.00 per 1000; 3 1/2-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

ORCHIDS IN BLOOM ROEHRS, Rutherford, N. J.

AZALEAS

Now in Bloom and Bud. Orders taken for Christmas and Easter delivery in the best commercial varieties.

Bay and Box Trees, Euonymus, Eurya latifolia, Araucarias, Asparagus, Adiantums, Crotons, Areca lutescens, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus. Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000, Cash with order.

FRANK OECHSLIN

911 Quincy St., - - CHICAGO, ILL.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100; 6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 " 7 in. pots..100.00 "

THOMAS ROLAND, NAHANT, MASS.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

ORCHIDS! ORCHIDS!

Arrived in first-class condition, C. Mossiae.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT, N. J.

PALMS, FERNS AND

DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

In writing to Advertisers kindly mention Horticulture

Seed Trade

A NEW KIND OF CORN FROM CHINA.

A small lot of shelled corn, of a kind that is new to this country, was sent to the U. S. Department of Agriculture from Shanghai, China, in 1908, and tested the same season. It proved to have qualities that may make it valuable in breeding a corn adapted to the hot and dry conditions of the Southwest. The plants raised in the test averaged less than 6 feet in height, with an average of 12 green leaves at the time of tasseling. The ears averaged 5 1-2 inches in length and 4 1-3 inches in greatest circumference, with 16 to 18 rows of small grains. On the upper part of the plant the leaves are all on one side of the stalk, instead of being arranged in two rows on opposite sides. Besides this, the upper leaves stand erect, instead of drooping, and the tips of the leaves are therefore above the top of the tassel. The silks of the ear are produced at the point where the leaf blade is joined to the leaf sheath, and they appear before there is any sign of an ear except a slight swelling.

This corn is very different from any that is now produced in America. Its peculiar value is that the erect arrangement of the leaves on one side of the stalk and the appearance of the silks in the angle where the leaf blade joins the sheath offer a protected place in which pollen can settle and fertilize the silks before the latter are ever exposed to the air. This is an excellent arrangement for preventing the drying out of the silks before pollination. While this corn may be of little value itself, it is likely that, by cross-breeding, these desirable qualities can be imparted to a larger corn, which will thus be better adapted to the Southwest.

The discovery of this peculiar corn in China suggests anew the idea that, although America is the original home of corn, yet it may by some means have been taken to the Eastern Hemisphere long before the discovery of America by Columbus. From descriptions in Chinese literature corn is known to have been established in China within less than a century after the voyage of Columbus. But this seems a short time for any plant to have become widely known and used. Besides, this particular corn is so different from anything in the New World that it must have been developed in the Old World, and for that to happen in a natural way would take a very long time. These ideas are brought out in Bulletin 161 of the Bureau of Plant Industry, which gives also an account of some cross-breeding experiments with the new corn and the changes which crossing produces in the grains the same season.

A CORRECTION.

Editor HORTICULTURE:

Dear Sir:—I notice that in last week's issue of HORTICULTURE you credit Mr. Burpee with a certain speech delivered at the Lonsdale Din-



ner in Philadelphia. It happens that this was delivered by yours truly. Of course, I feel highly flattered to think that any effusion of mine should be credited to such a distinguished citizen as Mr. Burpee, while on the other hand, he probably may not feel as elated as I did.

W. C. LANGBRIDGE.

We hope the above will reach the eye of at least everybody who read the wrongly credited communication. We make due apologies to the two eminent gentlemen, both of whom are talented enough and eloquent enough to shine at any speechfest.—Ed.

CATALOGUES RECEIVED.

Barteldes Seed Co., Denver, Colo.—Trade Price List, Yuletide 1909. Printed in red and green.

Mitchell's Seed House, Phila., Pa.—Folder of Christmas specialties, forcing gladioli and asparagus seed.

Winterson's Seed Store, Chicago, Ill.—Special Wholesale Price List of Christmas Decorative Material. Printed in red and green.

Watkins & Simpson, Covent Garden, London, Eng.—Novelties in seeds for 1910 and other specialties. Wholesale. Colored plate of pansies.

You helped me last spring to sell lots of stock. I shall have more of the same kind to advertise next spring.

Mass.

H. J. B.

HEADQUARTERS FOR

**Fancy Holly
Holly Wreaths
Mistletoe
Laurel
Lycopodium**

*Write for our Special
Wholesale Price List
of Xmas Greens.*

HENRY F. MICHELL CO.

1018 Market St.

PHILADELPHIA, PA.

CHICAGO NOTES.

A Scholarship Plan.

The International Stock Show opened Saturday, Nov. 27. This is an event which brings many florists to Chicago. On account of the reduced rates, they come and book up holiday stock, etc. Twenty scholarships to agricultural colleges are to be awarded by J. Ogden Armour to students who can prove themselves expert stock judges. The close of the contest for Monday showed the first prize won by the students of the Iowa Agricultural College. Why would not some such competitive scheme prove an inspiration to would-be florists to better equip themselves with a thorough education along this line? Who can think it out in time for trial at the Nat. Flower Show in 1911?

Personal.

Mr. and Mrs. P. J. Fahy announced the engagement of their daughter, Florence, to Arthur L. Peffley of Minneapolis, in the Sunday Tribune.

Visitors—J. Willins, Danville, Ill.; Julius Staack, Moline, Ill.; Conrad Wolpe, foreman for W. W. Seekins, Duluth, Minn.; Raymond De Rycke, gardener for J. B. Grommers, Zanda, Wis.; J. Edw. Taylor, State Hort. Inspector, Salt Lake City, Utah; J. Landron, representing C. C. Moss Co., San Francisco, Cal.; Milo Crozier, Cedar Rapids, Ia.; Edw. Amerpohl, Janesville, Wis.; M. Bentzen, of Bentzen Floral Co., St. Louis, Mo.; John E. Lafres, Cedar Rapids, Iowa; Lacey Young, Thompsonville, Mich.

LILY OF VALLEY

PERFECTION PIPS

1000, \$14.00; case of 2000, \$26.00
Can be forced in'o flower January 1st.

SELECTED 3 YEAR OLD

1000, \$11.00; case of 2500, \$26.00

W. ELLIOTT & SONS,
42 Vesey Street . . . NEW YORK

FORCING SPANISH IRIS.

Horticulture Pub. Co., Boston, Mass.

Sirs:—I would like to inquire the proper way to treat Spanish Iris as winter stock. I have the bulbs on hand but they are not planted. Is it to late or is there still time for late winter blooms. Thanking you in advance, I remain

Yours truly,

Maine.

H. L. C.

Plant in boxes having a depth of about 4 inches, setting the bulbs $2\frac{1}{2}$ to 3 inches apart and covering them about $1\frac{1}{2}$ inches. The compost should be a sandy loam enriched with well-rotted manure. When planted the boxes may be watered and placed in a cool cellar, or frame and kept there until the bulbs begin to start and show above ground, when they may be removed to the greenhouse. A temperature of 45 to 50 degrees suits them best.

INCORPORATED.

Princeton, Ind.—Princeton Gardens, Incorporated; capital stock, \$25,000.

Pittsburgh, Pa.—The Pittsburgh Cut Flower Co. and the Pittsburgh Rose & Carnation Co. have consolidated under the name of the Pittsburgh Cut Flower Co., with a capital of \$300,000.

ESTABLISHED 1802

Thorburn's Seeds

Finest strain of Long Island grown
Early Jersey Wakefield Cabbage

and other high grade seeds for
Market Gardeners and Florists.
SEND FOR PRICES.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

WRITE
FOR
OUR
PRICES



BULBS
YOU
MAY
WANT

CABBAGE SEED
LILY OF THE VALLEY PIPS.
HJALMAR HARTMANN & CO.
Longangstraede 20,
COPENHAGEN, DENMARK.

CABBAGE Wakefield and Succession.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.
CASH WITH ORDER
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

FORCING GLADIOLUS

Many florists plant these in boxes, or among their carnations, in the winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. \$3.25 per 100; \$30.00 per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, $1\frac{1}{2}$ inches and up. \$2.00 per 100; \$18.00 per 1000.

Bulbs, $1\frac{1}{2}$ to $1\frac{3}{4}$ in., \$1.75 per 100; \$16.00 per 1000.

Shakespeare. White and rose. \$1.75 per 100; \$15.00 per 1000.

May. Pure white, flaked rose crimson; the best forcer. Selected bulbs, \$1.75 per 100; \$15.00 per 1000.

Brenchleyensis (true.) Fiery scarlet. Selected bulbs, \$1.50 per 100; \$13.00 per 1000. First size bulbs, \$1.25 per 100; \$10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, $1\frac{1}{2}$ in. and up. \$1.50 per 100; \$14.00 per 1000.

Bulbs, $1\frac{1}{2}$ to $1\frac{3}{4}$ in., \$1.25 per 100; \$10.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. \$1.00 per 100; \$9.00 per 1000.

Gladiolus, Colvillei and Nanus (type)

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Of Interest to Retail Florists

DETROIT FLOWER TRADE.

A very active Thanksgiving trade has put all of us in good humor and high anticipations for Christmas. The past has shown that it is safe to judge Christmas by Thanksgiving. Everything brought in moved freely at good prices and at the rate demand is keeping up, prices at wholesale as well as retail will have to remain the same and even stiffen up some. Carnations are now retailing at from 75c. to \$1.50, while roses bring from \$1.50 to \$5.00 per dozen with best Beauties at \$12.00 per dozen. There is plenty of work for receptions, balls and weddings in sight to insure a good season and enough of harmony among the trade to establish steady uniform prices. Looking back at the chrysanthemum season which is about closed, we can say that it was very satisfactory to all growers and retailers. The general demand is for medium sizes, selling at \$3.00 to \$4.00 per dozen; nevertheless,

STEAMER DEPARTURES

Alban.	
Pretorian, Boston-Glasgow....	Dec. 10
American.	
New York, N. Y.-S'hampton....	Dec. 11
Atlantic Transport.	
Minneapolis, N. Y.-London....	Dec. 11
Cunard.	
Ivernia, Boston-Liverpool....	Dec. 14
Lusitania, N. Y.-Liverpool....	Dec. 8
French.	
La Bretagne, N. Y.-Havre....	Dec. 9
Hamburg-American.	
Amerika, N. Y.-Hamburg....	Dec. 11
North German Lloyd.	
Berlin, N. Y.-Mediterranean....	Dec. 11
Rhein, N. Y.-Bremen....	Dec. 9
Red Star.	
Kroonland, N. Y.-Antwerp....	Dec. 8
Lapland, N. Y.-Antwerp....	Dec. 14
White Star.	
Arabic, N. Y.-Liverpool....	Dec. 11
Adriatic, N. Y.-S'hampton....	Dec. 8
Cretic, N. Y.-Mediterranean....	Dec. 8
Boston- "	Dec. 9

there was a scarcity this year of large blooms. Pompons and bronze shades are especially coming to the front.

PERSONAL.

Wm. P. Rich, secretary of the Massachusetts Horticultural Society, addressed the Houghton Horticultural Society at Lynn, Mass., Wednesday evening, Dec. 1, on the subject of "Horticulture."

Julian N. Hanft is seriously ill, the result of a fall. He is an uncle of the Hanft Bros. florists, New York City, and up to the time of his illness has been regularly employed at their store on Madison avenue. He is nearly 80 years of age.

Adin A. Hixon, secretary of the Worcester County (Mass.) Horticultural Society, who has been very sick for several weeks, has so far recovered as to be able to make an occasional trip to his office, but it will be some time before he will be able to resume his duties.

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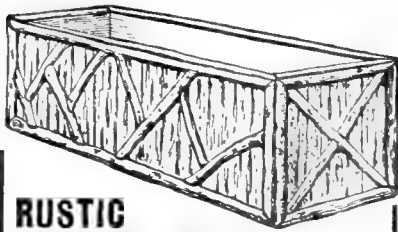
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St. Paul, Minn.—H. J. Puvogel, Grand avenue.

Rapids City, S. D.—J. Glendinning, St. Joe street.

Philadelphia, Pa.—White Bros., 231 No. Eighth street.

Sioux City, Ia.—Louis Stevens, Oxford Hotel Building.

Denver, Col.—Scott-Martin Floral Co., 1506 Broadway.

Millville, N. J.—Mrs. Rae Henderson, 120 High street.

Minneapolis, Minn.—Topel & Diebels, 328 First avenue.

Kansas City, Kan. James Brough, 812 Minnesota avenue.

Scranton, Pa.—Ira G. Marvin, wholesale, 524 Spruce street.

Portland, Me.—E. J. Harmon & Co., New Baxter Building.

Cleveland, Ohio. Mrs. A. L. Brown, corner Lake and Detroit streets.

New York, N. Y.—Onaway Florist, Seventh avenue and Fifty-Seventh street.

Freeport, Ill.—Freeport Floral Co., Alfred Frueh building, Stephenson street.

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IN BANKRUPTCY.

Iowa City, Ia.—F. J. Regan, nurseryman, assets \$18,000, liabilities \$25,000.

Woodside, N. Y.—Mary Kellogg, sister of the late Herman Dreyer, is reported bankrupt.

Chicago, Ill.—Charles Schneider has filed a petition in bankruptcy. He had formerly been doing business under the name of the Central Floral Co.

P. J. Regan, Iowa City, Ia., formerly a nurseryman with an extensive business throughout eastern Iowa, has been adjudged a bankrupt; liabilities \$25,000, assets \$18,000 nominal.

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Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

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	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 30		Nov. 30		Nov. 30		Dec. 2	
ROSES								
Am. Beauty, Fancy and Special.....	20.00	to 30.00	30.00	to 40.00	25.00	to 30.00	20.00	to 30.00
" Extra.....	15.00	to 18.00	30.00	to 30.00	20.00	to 25.00	15.00	to 18.00
" No. 1.....	12.00	to 15.00	15.00	to 20.00	15.00	to 20.00	6.00	to 8.00
" Lower grades.....	8.00	to 10.00	10.00	to 15.00	5.00	to 10.00	4.00	to 6.00
Bride, 'Maid, Chatenay, F. & S.....	5.00	to 8.00	6.00	to 8.00	10.00	to 12.00	6.00	to 8.00
" Lower grades.....	4.00	to 5.00	4.00	to 5.00	2.00	to 6.00	2.00	to 4.00
Killarney, Fan, & Sp.....	8.00	to 10.00	6.00	to 8.00	10.00	to 12.00	8.00	to 10.00
" Lower grades.....	6.00	to 8.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
Richmond, Fancy & Special.....	8.00	to 10.00	8.00	to 10.00	10.00	to 12.00	8.00	to 10.00
" Lower grades.....	6.00	to 8.00	5.00	to 8.00	3.00	to 6.00	2.00	to 6.00
My Maryland.....	.....	.....	5.00	to 10.00	3.00	to 10.00	2.00	to 10.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	1.50	to 2.00
MISCELLANEOUS								
Chrysanthemums, fancy.....	10.00	to 15.00	15.00	to 25.00	10.00	to 25.00	10.00	to 12.00
" Ordinary.....	4.00	to 6.00	10.00	to 20.00	5.00	to 10.00	6.00	to 10.00
Cattleyas.....	45.00	to 50.00	40.00	to 60.00	.....	to 75.00	35.00	to 50.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	8.00	to 12.50	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets.....	.75	to 1.00	.75	to 1.00	.95	to 1.00	.50	to .75
Mignonette.....	.....	.....	.....	.....	3.00	to 4.00	1.00	to 2.00
Sweet Peas.....	.50	to 1.50	.....	.....	.50	to 1.00	.....	.....
Roman Hy. Paper Whites.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Stevia.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias.....	25.00	to 35.00	25.00	to 35.00	30.00	to 50.00	25.00	to 35.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	.75	to 1.00
Smilax.....	10.00	to 12.00	12.00	to 15.00	12.50	to 15.00	10.00	to 12.00
Asparagus Plumosus, strigs (100)	30.00	to 50.00	35.00	to 50.00	to 50.00	25.00	to 50.00
" " & Spre. (100 bchs.)	20.00	to 40.00	25.00	to 35.00	35.00	to 50.00	15.00	to 25.00

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The Advertisers Represented Here are the Leading Concerns in the
Wholesale Flower Trade

Flower Market Reports.

Business has been quite dull for a few days past and there have been accumulations of flowers from time to time which have had rather depressing effect on market prices of many items. Thanksgiving business was generally satisfactory in advance orders, but inclement weather interfered with the finish and some material was left on the hands of both wholesaler and retailer. Roses are very fine at present time and carnations are advancing in quality and quantity. Violets are superb.

With a clean market on **BUFFALO** Monday trade opened brisk and while stock was not too plentiful prices have been better on all lines. The chrysanthemum was the Thanksgiving flower and the trade was well supplied in this line. Such varieties as Pink and White Maud Dean, Golden Wedding, White and Yellow Chadwick were of excellent quality and prices were good considering the amount which came in, together with the medium and ordinary quality. Carnations were on the scarce side and no left-overs while violets enjoyed their usual demand and there were plenty to be had. Peas were rather short in supply, Lily of the Valley, Roman Hyacinths and Narcissi were more plentiful and moved well. Beauties sold well, especially the medium grades; the slight advance in prices had a tendency to check the sale of large quantities and in many instances Richmonds took the place of Beauties. Maryland is the leader in pink and some choice blooms were had, as well as Pink and White Killarney. Other roses had a good cleaning up. Stevia, smilax, Crowe-anum fern and other greens in good supply. Reports from the trade indicate that the week's volume of business was better than previous years, for which all were thankful.

CHICAGO Chrysanthemum season is practically over, though there are plenty of the favorites, big and little, still in the market. The flowers, however, are not considered good enough for shipping, as their keeping qualities are not at their best. This does not apply to all the stock, but as a general rule will hold good. Some of the social affairs of the past week helped the florists to work off their stock of chrysanthemums to good advantage. The general verdict is that we have had a short season, but the returns will be fairly satisfactory. Carnations are quite plentiful and the price is lower than at any other time this fall for the same quality. There are plenty of violets from the east and also from local growers. Paper White narcissus is in. Long Beauties are fine and selling well, but the short ones are poor. Other roses are plentiful and prices keep fairly steady. Some cut poinsettias were brought into the market for Thanksgiving, but they did not take well. They seem to be a fixed holiday flower. Some elaborate coming out parties during Thanksgiving week and the demand for all kinds of flowers increased accordingly.

(Continued on page 797)



Christmas Greens

Holly

Best Delaware and Maryland Stock—every case guaranteed—single case @ \$5.00; 5 cases @ \$4.50; 10 cases @ \$4.00.

Holly Wreaths

Made right—not the butcher-shop kind. \$15, \$18, \$20, \$25 per 100.

Lycopodium, Laurel, Mistletoe, Wild Smilax, Boxwood, Magnolia, Galax
and all other Xmas staples. Send for Price List.

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Holly Trees, Berried Aucubas, Azaleas, Evergreens, etc.
Holly flowered Ribbon, Red Baby Ribbon, Red Cords.
Immortelles, Crepe Paper and all the staple supplies.

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WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 30		Nov. 30		Nov. 30		Nov. 30	
ROSES								
Am. Beauty, Fan, and Sp.	20.00	to 25.00	30.00	to 35.00	35.00	to 40.00	.....	to 25.00
" Extra	12.50	to 20.00	25.00	to 30.00	20.00	to 25.00	15.00	to 20.00
" No. 1	8.00	to 12.50	15.00	to 20.00	12.00	to 20.00	6.00	to 10.00
" Lower grades	6.00	to 8.00	4.00	to 12.00	5.00	to 8.00	3.00	to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Low gr.	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00
Killarney, Fan, & Sp.	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	4.00	to 8.00	2.00	to 4.00
Richmond, Fancy & Special	6.00	to 8.00	6.00	to 8.00	10.00	to 12.00	6.00	to 8.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	.....	to 4.00
My Maryland.	2.00	to 6.00	4.00	to 6.00	5.00	to 10.00	4.00	to 8.00
CARNATIONS, Novelties and Fancy								
" Ordinary	1.50	to 2.00	2.00	to 3.00	2.00	to 3.00	.....	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy	.....	to	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00
" Ordinary	.....	to	8.00	to 12.00	6.00	to 12.00	4.00	to 12.00
Cattleyas	.....	to .....	.....	to .....	.....	to	50.00	to 60.00
Lilies	10.00	to 15.00	12.50	to 15.00	12.00	to 15.00	.....	to 18.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.25	to .50	.50	to .75	.75	to 1.25	.....	to .75
Mignonette	.....	to .....	.....	to	4.00	to 5.00	.....	to
Sweet Peas	.....	to .....	.....	to .....	.75	to 1.00	.25	to .75
Roman Hy. Paper Whites.	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Stevia	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias.	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	1.00	to 2.00	1.00	to 1.50	.50	to 1.50	.75	to 1.50
Smilax	12.50	to 15.00	15.00	to .....	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626 4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.
 Tel. 1462
 1463 Madison Square New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York.
CUT FLOWERS WHOLESALE
 Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
FINEST LILIES IN THE MARKET.
 Tel. 5243 and 2921 Madison Square.

**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
 Growers in the Hudson River District.
 55 and 57 West 26th St., New York City.

FRANK MILLANG

Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

**Greater New York
Florists' Association,
Inc.**

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

Wholesale Commission Florists
 55 and 57 West 26th Street
 Telephone No. 756
 Madison Square New York

MILLANG BROS.

WHOLESALE FLORISTS
 41 West Twenty-Eighth Street
 Phones 3860
 3861 Madison Sq. NEW YORK

JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
 39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
 JAMES McMANUS, Telephone 759 Mad Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 27 1909		First Half of Week beginning Nov. 29 1909	
American Beauty, Fancy and Special.....	20.00	to 35.00	20.00	to 35.00
" " Extra.....	12.00	to 20.00	12.00	to 20.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 5.00
My Maryland.....	1.50	to 10.00	1.50	to 10.00
Carnations, Fancy and Novelties.....	2.00	to 5.00	2.00	to 5.00
" Ordinary.....	1.00	to 2.00	1.00	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses.
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh cut
 Cycas and Palmetto.
 Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
 { 5893 }

Durand & Marohn

MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

ROSENS

48 W. 29th Street, New York City
 Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
 GALAX, bronze and green, fresh crop,
 \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
 SPRAYS, 75c, 100. GREEN SHEET
 MOSS, \$2.00 large bag.

REED & KELLER

122 West 25th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Regalia

BOXWOOD SPRAYS

Clean, Choice Stock, No Heavy Wood. Every case guaranteed. We ship everywhere. Let us quote you on your requirements, for shipment now or later.

Pittsburgh Cut Flower Co., Ltd. 222 Oliver Ave.,
PITTSBURGH, PA.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

DO NOT BE FOOLED

By imitators of the

MEYER GREEN SILKALINE

See that you get the original. For sale by
all reliable houses.

JOHN C. MEYER & CO.,
Boston and Lowell, Mass.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 795)

NEW YORK Trade is very quiet and demand light this week. Roses are coming in freely and there is an abundance of Beauty, Bride, Bridesmaid and Killarney, averages on which will run considerably lower than last week. Cattleyas, which have been very scarce and have brought very high prices are a little easier. Chrysanthemums are on the down grade and are losing favor with the buyers. Carnations are on the increase, quality good. Lily of the valley is strong and active.

It might have been worse. **PHILADELPHIA** Many will say—how could Thanksgiving week have been worse with such a storm Wednesday and Thursday? We can only illustrate the point by allusion to the old story of the lady who had the "might-have-been-worse" always at the tip of her tongue. One morning her gudeaman thought he had her stumped, all right. Said he: "Janet, I had an awful dream last night—I dreamt I was in hell!" "Oh," says Janet, "it might have been worse." The indignant "How so?" came like a shot, and was met with—"It might have been true!" So in the same way this past Thanksgiving week might have been worse if the hell dream of many had been true—but on comparison with last year's volume of

business it finally came out as a pretty fair Thanksgiving after all. At this writing (Nov. 30) American Beauties are up in price and there seems little chance of any surplus to cause a slump, so a gradually increasing schedule from now to after the holidays would seem to be in order. Marylands and Killarneys are much finer at present than they have been at any time this season. White Killarney is far and away the best in white roses, although there are a few good Brides here and there. Of course Kaiserin is running down some now. Carnations are finer and prices much better. Chrysanthemums are on their last legs, although there are still some very good flowers coming in. Gardenias are a little more plentiful; but the demand keeps up so well that there is but little easing in the high figures. Very little life in the violet market this season for some reason

as yet unexplained. Orchids holding firm at the high rates quoted last week.

If you sell pot plants to customers with taste and tidy habits, the Ever Ready Flower Pot Cover, advertised in this paper, is just what you want to please the buyer and multiply sales. In the eye of a particular customer it improves the appearance and adds to the attractiveness of the plant fully 100 per cent. It comes in all sizes and the cost is within everybody's reach. Try a few.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA,
N. C.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 27 1909		First Half of Week beginning Nov. 29 1909	
Cattleyas.....	50.00	to 75.00	50.00	to 75.00
Lilies.....	6.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 4.00	2.00	to 4.00
Narcis. Paper White.....	1.50	to 2.00	1.50	to 2.00
Chrysanthemums.....	8.00	to 25.00	8.00	to 25.00
Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Violets.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bchs).....	6.00	to 10.00	6.00	to 10.00
Gardenias.....	12.00	to 35.00	12.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	16.00	to 25.00	16.00	to 25.00
" " & Spreu. (100 bchs).....	20.00	to 25.00	20.00	to 25.00

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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ARAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nelpp, Prop., Chatham, N. J.

Asparagus Sprenger, 2½ in. pots, strong plants, \$2.00 per 100. Virginia Nursery Co., Purcellville, Ga.

Asparagus Sprenger—Good plants for 6 in. pots from bench to make room, \$5.00 per 100. Cash. J. T. Erickson, Swampscott, Mass.

A few hundred Asparagus Sprenger out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy, Roslindale, Mass.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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J. C. Schmidt, Bristol, Pa.

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Edward Wallis, Atco, N. J.

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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

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Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

Rex Begonias. A fine assortment of 12 named varieties from 2½ in. pots, strong plants, \$4.00 per 100. Virginia Nursery Co., Purcellville, Va.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOOKS—Continued

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Manual.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Fernwood Nursery, Stamford, Conn.

Bobbink & Atkins, Rutherford, N. J.

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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Brock & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Hoddington, 342 W. 14th St., N. Y.

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Richards Bros., 37 East 19th St., New York.

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H. F. Mitchell Co., Philadelphia.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lillies.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Lily Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 28 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.

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Berrydale Experiment Gardens, Holland, Mich.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Narcissi, Chinese Sacred Lillies, Hyacinths, Lillium Longiflorum.

E. S. Miller, Wading River, N. Y.

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F. W. O. Schmitz, Prince Bay, N. Y.

Hyacinths, Tulips, Crocus.

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SPECIAL CLEARING PRICES.

TULIPS.

SINGLE—La Reine, 85c per 100; \$7.50 per 1000. Rose Gris de Lin, 85c per 100; \$7.50 per 1000. Artus, \$1.10 per 100; \$9.50 per 1000.

DOUBLE—Murillo, fancy bulbs, \$1.80 per 100; \$16.00 per 1000. Tournesol, yellow, \$2.00 per 100; \$17.50 per 1000.

NARCISSI.

Empress, double-nose, \$1.60 per 100; \$14.00 per 1000. Golden Spur, \$1.40 per 100; \$12.00 per 1000. Trumpet Major, \$1.00 per 100; \$8.00 per 1000.

250 at 1000 rate.

SLUIS SEED STORE.

544 W. 63rd St., Chicago, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

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CARNATIONS—Continued

S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.

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H. F. Littlefield, Worcester, Mass.

Field Grown Plants.

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Baur & Smith, Indianapolis, Ind.

Patten & Co., Tewksbury, Mass.

Carnation Shasta.

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A. C. Brown, Springfield, Ill.

Carnation Sangamo.

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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.

Carnation Admiration.

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Wood Bros., Fishkill, N. Y.

Field Grown.

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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.

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Edward Wallis, Atco, N. J.

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Cottage Gardens Co., Queens, L. I., New York.

Carnations Alma Ward and Mrs. C. W. Ward.

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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS AND EASTER PLANTS

William W. Edgar Co., Waverley, Mass.
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CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.

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Wood Bros., Fishkill, N. Y.

Chrysanthemums Rooted Cuttings.

I. M. Rayner, Greenport, N. Y.

Stock Plants.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTEMUM STOCK PLANTS.

Mrs. Kalb, Timothy Eaton, Estelle, White Bonnafton, Alice Byron, Lynnwood Hall, Angele Laurent, Desjouis, Glory of Pacific, Mary Mann, Maud Dean, Pink Ivory, Rosette, Amorita, Major Bonaffon, Crema, Halliday, Yellow Jones, Golden Glow, Baby, 75 cents per doz.; \$5.00 per 100. Golden Eagle and Baby Margaret, \$2.00 per dozen; \$12.00 per 100. William Wayne, P. O. Box 215, Kennett Square, Pa.

COLD FRAME MATS

W. Elliott & Sons, New York, N. Y.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.
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COSMOS—Early Flowering

Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

For List of Advertisers See Page 803

CUT FLOWER BOXES—Continued

WE PAY THE FREIGHT
On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAISIES

Daisy Queen Alexandria, from 2½-in. pots, \$2.50 per 100. Cash. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.

Imported Plants for Fall Delivery.

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Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Anton Schultheis, College Point, N. Y.

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EVERGREENS

New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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FERNS

A. Leuthy & Co., Roslindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

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Robert Craig Co., Philadelphia, Pa.

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Fernwood Nursery, Stamford, Conn.

F. W. O. Schmitz, Prince Bay, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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FLORISTS SUPPLIES—Continued

Seed & Keller, 122 W. 25th St., New York.

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H. Bayerdorfer & Co., 1129 Arch St., Philadelphia.

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Rosen, 48 West 29th St., New York City.

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Mapes Rustic Works, Clayton, N. J.

Rustic Vines, Branches, Bark, Etc.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc.

Zanesville, O.

A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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FREESIAS

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.

Galax and Leucothoe.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblirer, 6117 Carnegie Ave., Cleveland, O.

Geraniums Ricard, S. A. Nutt, Buchner, from 2 and 2½ in. pots, extra fine lot of strong, cool-grown plants; \$2.25 per 100; \$20.00 per 1000; and mixed \$2.00 per 100, \$18.00 per 1000. J. R. Brooks, Oxford Depot, Orange Co., N. Y.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poltevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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Arthur T. Boddington, New York, N. Y.

Forcing Gladioli.

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J. L. Moore, Northboro, Mass.

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Surplus stock of choice named gladioli. Also bulbs and bulbets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS CLEANER

Andersen Specialty Co., Chicago, Ill.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pomert, Prop., Amelia, O. Largest gold fish hatchery in the world.

Gold Fish, Aquarium Plants; largest variety in the country. Send for price-list. Franklin Barrett, 4815 D St., Phila., Pa.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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R. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & R. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

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The Kervan Co., 113 W. 28th St., New York.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Boxwood Sprays.

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Fancy Holly, short or long branches, \$3.00 case; Green Sheet Moss, \$1.25 bbl.; Laurel for decorating \$2.50 case; Laurel for roping \$1.00 bag. Cash with first order. W. Z. Punell, Snow Hill, Md.

In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOLLY

Holly wreaths, Box holly. Holly wreaths a specialty, in large and small quantities. Selected box holly. Write for prices. H. E. Conwell, Milton, Del.

HOLLYHOCKS

Hollyhocks, double yellow, pink and white, \$15.00 per 1000; single, mixed, \$10.00 per 1000. Spring sown. Cash. Byer Bros., Chambersburg, Pa.

HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.
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INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. K. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stampp & Walter Co., 50 Barclay St., New York.

Kiln-dried Tobacco Dust.

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B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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Geo. E. Talmadge, Inc., Madison, N. J.
Aphine.

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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.

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IRIS

J. A. Peterson, Cincinnati, Ohio.
Iris Pallida Dalmatica.

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E. S. Miller, Wading River, N. Y.
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German Iris, Purple or Lavender; strong division; \$2.50 per 100, \$20 per 1000. M. L. McClave, Benton Harbor, Mich.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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KENTIAS

Godfrey Aschmann,
1012 W. Ontario St., Philadelphia, Pa.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Boblink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
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LILIES

E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY CLUMPS

Skidelsky & Irwin Co., Philadelphia, Pa.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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Lily of the valley, field-grown, \$1.00 per 100 by mail; \$6.00 per 1000 by express. M. L. McClave, Benton Harbor, Mich.

MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.
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NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
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NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

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New England Nurseries, Inc., Bedford, Mass.

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Eastern Nurseries, Jamaica Plain, Mass.
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W. & T. Smith Co., Geneva, N. Y.

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Boblink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.

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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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DWARF BOX.

Fine, well rooted plants, 3 to 8 in., \$1.00 to \$5.00 per 100. Stock fine, but limited. Order soon. M. L. McClave, Benton Harbor, Mich.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordenez Bros., Madison, N. J., Box 105.
C. Lablata: D. Bighum Arrived.
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
For page see List of Advertisers.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

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John Scott, Brooklyn, N. Y.
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A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
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Henry A. Dreer, Philadelphia, Pa.
Cocos Weddelliana.

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Fernwood Nursery, Stamford, Conn.

PANSY PLANTS.

Giant pansies, Bugnot, Odier, Cassler, Trimardeau, mixed, \$2.50 per 1000; 2000, \$4.00. Cash. Byer Bros., Chambersburg, Pa.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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Peony list ready. Write for one today. Standard varieties. Prices right. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias, double; rooted cuttings, \$1.00 per 100; 2-in., 2c. Cash. Byer Bros., Chambersburg, Pa.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

Geo. B. Doane & Son Co., 18 Midway St., Boston.

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Metropolitan Material Co., 1392-1403 Metropolitan Ave., Brooklyn, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of \$1.00. Barton, 110 Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-75 So. Erie St., Toledo, O.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primulae Obconica and Chinensis.
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Primula chinensis, 9 colors mixed, 3 inch. 2c.; Obconica Rondeletii, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

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PRIVET

CALIFORNIA 12 to 18 in., 2 to 4 bran., \$10 per M; 18 to 24 in., 3 to 5 bran., \$12 M; 24 to 30 in., 4 to 6 bran., \$14 M; 24 to 30 in., 5 to 8 bran., \$16 M.

AMOUR RIVER PRIVET 12 to 18 in., \$12.50 M; 18 to 24 in., \$15 M, well branched; 18 to 24 in., heavy, \$16 M; 24 to 30 in., heavy, \$20 M. F. O. B. Bostic. Cash with order. Valdesian Nurseries, Bostic Dept., Bostic, North Carolina.

California Privet, well rooted and well graded. Write for prices. John H. Lane, Little Silver, N. J.

RHODODENDRONS

John Waterer & Sons, Ltd., American Nursery, Bagsnot, England. For page see List of Advertisers.

P. Ouwkerk, Hoboken, N. J. For page see List of Advertisers.

ROSES

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa. For page see List of Advertisers.

P. Ouwkerk, P. O. No. 1, Hoboken, N. J. For page see List of Advertisers.

Dungee & Conard Co., West Grove, Pa. Novelties in Roses. For page see List of Advertisers.

Poehmann Bros. Co., Morton Grove, Ill. For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y. American Grown Roses. For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass. New Rose Daybreak and Lady Duncan. For page see List of Advertisers.

John Cook, Baltimore, Md. New Seedling Rose "Radiance." For page see List of Advertisers.

The Rose, by H. B. Ellwanger; mailed for \$1.80 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Baby Rambler roses, strong, three-year-old, field-grown, own root, have been cut back and lifted and have become well established in 5-in. pots, at \$12.00 per 100. Virginia Nursery Co., Purcellville, Va.

RUSTIC WINDOW BOXES

Maples Rustic Works, Clayton, N. J. For page see List of Advertisers.

SEED GROWERS

Hjalmar Hartmann & Co. Cauliflower and Cabbage Seed. Langangstraede 20, Copenhagen, Denmark. For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal. For page see List of Advertisers.

SEEDS

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Joseph Breck & Sons, 61 and 62 N. Market St., Boston, Mass. For page see List of Advertisers.

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Arthur T. Boddington, 342 W. 14th St., New York. For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York. For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston. For page see List of Advertisers.

Glant Cyclamen Seed. For page see List of Advertisers.

H. F. Michell Co., 1018 Market St., Phila. For page see List of Advertisers.

J. M. Thorburn & Co., 83 Barclay St., N. Y. For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill. Beans, Peas, Sweet Corn, Onion. For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 So. Market St., Boston. For page see List of Advertisers.

E. F. Winteron Co., Chicago. Seeds for Plantamen, Nurserymen, Seedmen. For page see List of Advertisers.

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O. V. Zangen, Hoboken, N. J. Glant Cyclamen Seed. For page see List of Advertisers.

H. E. Flske Seed Co., Boston. For page see List of Advertisers.

SILKALINE

John C. Meyer & Co., Boston, Mass. For page see List of Advertisers.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

SPRAYERS

Chas. J. Jager Co., Boston. Deming Spray Pump. For page see List of Advertisers.

E. H. Hunt, 76-78 Wabash Av., Chicago, Ill. New Chicago Sprayer. For page see List of Advertisers.

STEVIA

Wood Bros., Fishkill, N. Y. For page see List of Advertisers.

SWEET PEAS

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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md. For page see List of Advertisers.

Warren Shinn, Woodstown, N. J. Forcing Asparagus and Rhubarb.

VENTILATING APPARATUS

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The Advance Co., Richmond, Ind. For page see List of Advertisers.

VENTILATING APPARATUS—

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala. Southern Wild Smilax. For page see List of Advertisers.

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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y. For page see List of Advertisers.

Durand & Marohn, Albany, N. Y. For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost. Our specialty—100 assorted designs, \$10.00. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston. For page see List of Advertisers.

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The J. M. McCullough's Sons Co., Cincinnati, Ohio. For page see List of Advertisers.

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New York

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Frank Millang, 55-57 W. 28th St., New York. For page see List of Advertisers.

Phillip F. Kesler, 55 & 57 W. 28th St., New York. For page see List of Advertisers.

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York
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New Offers in This Issue.**AGRICULTURAL LIME.**

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CHRISTMAS GREENS.

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- Paul DeNave, Fall River, Mass.
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**CHRISTMAS SPECIALTIES FOR
FLORISTS.**

- M. Rice & Co., Philadelphia, Pa.
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**CHRISTMAS HOLLY AND GREENS;
HOLIDAY FLOWERS.**

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**CHRISTMAS FLOWERING PLANTS,
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GOLD FISH, AQUARIUMS, ETC.

- Bishop the Bird Man and Pioneer Gold
Fish King, Baltimore, Md.
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**GREENHOUSE CONSTRUCTION,
VENTILATING, ETC.**

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- Wm. Elliott & Sons, New York, N. Y.
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- German Kali Works, New York, N. Y.
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**ROSE "FLOWER OF FAIRFIELD"
EVER-BLOOMING CRIMSON
RAMBLER.**

- R. & J. Farquhar & Co., Boston, Mass.
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SELECT FERNS.

- F. R. Pierson, Tarrytown-on-Hudson, N. Y.
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SPIRAEA AND FORCING BULBS.

- Joseph Preck & Sons, Corp., Boston.
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SPECIAL GERANIUM OFFER.

- R. Vincent, Jr. & Sons Co., Whitmarsh, Md.
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Obituary.**Carl Jurgens.**

Carl Jurgens the far-famed lily of the valley specialist and rose grower, died suddenly on November 26, at his home in Newport, R. I. He had been about attending to his usual duties until a short time ago when he got a cold which caused him to stay indoors as a precautionary measure, but his condition was not considered serious till he was suddenly affected with heart trouble and died in a short time.

Mr. Jurgens was born in Holstein, Germany, in 1844, served his florist apprenticeship in Hamburg, and worked at the trade for some time in Paris, then in London, and came to America in 1869, working at Astoria, L. I., for some time. He moved to Newport in 1871, when he built his first greenhouse there on Mill street, and established the business which he successfully conducted and continually

**CARL JURGENS**

extended up to the time of his death, his annual sales of lily of the valley the past few years amounting to several million and other bulb flowers more than a million. He also grew large quantities of roses, mostly American Beauties and Kaiserins, which have long been noted for their high quality. Mr. Jurgens has the distinction of having been the first to force lily of the valley commercially, and so originated the cold storage system used so extensively now, which enables us to have this choice flower at all times of the year. His first experiment with this was in 1871 in the first greenhouse which he erected on Mill street. The well equipped range of greenhouses which he has built up and which now cover about four acres of ground, stands as a monument to his energy and skill. He is survived by a widow, two married daughters and one son, Carl Jurgens, Jr., who has been assistant to his father for some years and who will now assume the management of the business.

The news of the passing of this

this honored representative of the florist business will bring a pang of sadness to many, who can truthfully say they have lost one of their best friends. Carl Jurgens was the very soul of integrity and he expected those with whom he dealt to live up to the same high standard of honor by which he governed his own life. To such his loyalty and kindness knew no bounds. By his employes he was respected and beloved.

The funeral took place Nov. 29, and was well attended, especially by the gardening fraternity, about forty employes of the deceased being present. The floral tributes were numerous and beautiful; one piece of lily of the valley was made so that it covered the casket entirely, except the glass plate.

George H. Brown.

This well known landscape gardener passed away on November 23, at the family home, 1357 Euclid street, Washington, D. C., following an illness which compelled him to take to his bed on Sunday. A severe cold was the indirect cause of his death.

In the death of Mr. Brown, Washington loses one of its shrewdest citizens. His keenness of intellect was a feature of his strong personality and his amiability was an attribute of character which won him friends by the score.

Early in life he became a landscape gardener, under the tutorage of his father, David Brown, whose work in England won him an enviable reputation. When Mr. Brown was fifteen years old he became his father's assistant in landscape gardening, and he mastered the arts, so that when he came to America his services were in wide demand.

George Hay Brown was born in Edinburgh, Scotland, on December 17, 1838. In 1840 he was taken to England by his father, receiving his education there in private schools. In 1850 the father came to America, going to Philadelphia in a search for a wider field in the prosecution of his profession. Two years later the son and his mother joined the father and husband in Philadelphia.

In 1856 the son came to Washington, where he planned and laid out the government experimental gardens at Third street and Pennsylvania avenue. He remained in the employ of the government until 1861, when the civil war began, and he enlisted in the Seventh Battalion, District militia. In 1864 he returned to Washington, soon after going to San Francisco. Later, he was superintendent of nurseries in Memphis, Tenn. In 1870 he was appointed superintendent of public buildings and grounds by President Grant, holding the position until about 1875. It was while he was thus employed that he supervised the laying out of the present grounds of the Capitol and White House.

Frederick C. Schneider.

Frederick C. Schneider, one of the old time florists of Detroit, Mich., died Monday, November 22. He had suffered for a long time and had been engaged in the florists' business over 40 years. He leaves a wife, son and two daughters.

Jens Petersen Brudahl.

Jens Petersen Brudahl of Racine, Wis., died of pneumonia at St. Luke

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Hospital on Nov. 15. He had con-
ducted a florists establishment for
many years in Racine.

Miss Anna Cronan.

Miss Anna Cronan of Covington,
Ky., died November 22 from ptomaine
poisoning. Miss Cronan conducted a
retail florists business in Covington.

Bernard Breckner.

Bernard Breckner, one of the oldest
members of the New York Cut Flower
Exchange, died suddenly Sunday, Nov.
21, at his home at Bayside, L. I.

THE LATE H. F. A. LANGE.

We would add to the notes on the
death of H. F. A. Lange which we
published in last week's issue that
Mr. Lange was 62 years old, having
been born in Hamburg, Germany, in
1847. His father was a florist in the
old country.

After being graduated from one of
the German common schools when
only 13 years old, Mr. Lange became
apprenticed to a firm of gardeners for
a term of seven years. Having ac-
quired proficiency in the art quicker
than was usual he was graduated with
honors in five years, and received his
diploma as a professional florist.

Mr. Lange concluded to follow his
trade in America and came to this
country in 1866. He came to Worces-
ter in 1867 and took charge of a con-
servatory owned by Dr. Benjamin F.
Heywood. Three years later Mr.
Lange entered into partnership with
Dr. Heywood.

In 1877 Mr. Lange leased the con-
servatory upon his own account and
conducted the establishment until 1882.
In that year he purchased seven acres
of land at Grant Square. In less than
a year he had put 5000 feet under
glass besides erecting a substantial
residence. For 35 years he has con-
ducted a store on Main street and the
greenhouses establishment has now
grown to an area of 125,000 sq. ft. of
glass. His two sons, Carl C. and Al-
bert H., who have been associated with
him will continue the business.

MISCELLANEOUS WANTS

WANTED—Rose plants of any kind and
seedling perennials, cheap. Melrose Gar-
den Co., 90 Melrose St., Providence, R. I.

HELP WANTED

WANTED—A MAN —Or Woman—

In every town sup-
porting a florist,
seedsman or nur-
sery man, in the
United States, to
solicit subscriptions

— FOR —

Horticulture

Pleasant work and
liberal pay make
this a splendid
means to add to
your regular in-
come. Write today
for our exceptional
offer.

Circulation Dept.

Horticulture Publishing Co.

11 Hamilton Place, Boston, Mass.

WANTED—Jan. 1st, single man to take
charge of private conservatory, with good
knowledge of foliage plants. Must be com-
petent and well recommended. State age
and enclose copy of references. Wages
\$80.00 monthly. Address M. C., care
HORTICULTURE.

HELP WANTED—Man of all work to care
for yard, small greenhouse, two horses,
cow, etc.; must be thoroughly competent,
sober, and present good references; wages
\$40 per month, with board and room. Ad-
dress G. E. Dilley, Palestine, Tex.

SITUATIONS WANTED

Orchid grower and gardener, thoroughly
experienced man, able and willing to
work up a collection for any lady or
gentleman requiring my services. Good
knowledge of stove greenhouse plants,
vegetable garden and lawn. First class
testimonials. Address Gardener, Box 114,
Secaucus, New Jersey.

SITUATION WANTED—Carnation, violet
grower; general stock; good references.
J. P. Hersey, 725 South St., Roslindale,
Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24
double thick glass in "A" and "B" qual-
ities. Buy now and save money. Write
PARSHELSKY BROTHERS, INC.,
Montruse Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with
stock and all; 12,000 sq. ft. glass, 1 13-room
house, 1 5-room house with all improve-
ments; a nice big store front; good retail
trade; established 15 years; acre of ground,
with lot on main street. 7710 Lorain Ave.,
Cleveland, Ohio.

BOILER FOR SALE—Small return tubu-
lar. In good condition. Good for small
power-plant or greenhouse. For particu-
lars write or call "Engineer," 11 Hum-
phreys Street, Dorchester, Mass.

FOR SALE Hinsdale, Ill. E. C. Crosby
greenhouse plant, running order, 45,000 ft.
of glass 20,000 carnations, etc., 10 acres, 1
house, 2 cottages, 3 barns, 2 cisterns and
village water; value \$25,000, for \$16,000 if
taken at once; might divide; 30 minutes
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STRONGEST,

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½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Furnishes the Most Nicotine for the Money

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THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

PHILADELPHIA NOTES.

Ralph Shrigley, late with Niessen, has joined forces with Samuel Lilley.

Howard Earl will make his winter quarters this year at the Continental, the house where the Prince of Wales used to stop.

Philip Freud, of Michell's seed store, has been particularly happy in this year's window displays. An air-ship model and Japanese air plants are the main theme.

Godfrey Oschman reports large Christmas plant orders and is already nearly booked up to the limit. An important municipal contract from Baltimore swelled last Friday's engagements.

Papa Green, at the P.-M. Co.'s place, had a bad spell Thanksgiving Day and had to be taken to the Medico-Chi Hospital, where he did not recover consciousness until next day. At this writing he is reported to be getting along all right again.

Joseph Hurley, late superintendent on the Paul estate at Radnor, is now in charge of the Hunter place at Haverford. The latter is a new establishment and expensive landscape and building operations have been going on there for the past year or more.

Edward Reid claims that all the troubles of the grower and wholesaler at the present time come from overproduction. He cites as an instance the dose of bad medicine the lily of the valley men got a few years ago, and points to the normal and the resultant healthy condition of that market now.

M. Rice & Co. report an unusual demand for Christmas specialties, particularly in the way of beech sprays and red ribbons and red baskets. Their five floors of florists' supply goods are at present an inspiring sight and the Christmas buyer is simply overwhelmed in wonder and admiration.

Among our visitors this week were the distinguished, debonair and handsome Captain Lynch of West Grove, and the versatile and industrious Parker Thayer Barnes of Harrisburg, also H. Holmes of the Holmes Seed Co., Harrisburg, Pa. The faithful, fruitful and faultless Edwin Lonsdale, reported all well from Salt Lake—on his way to California.

Andoria Nuseries' business has been increasing so rapidly that additional room has lately been acquired in the Whitemarsh Valley. The new addition is near the Spring Mill station of the Reading's Schuylkill Valley branch, and has been known heretofore as the "Jerry Comfort Farm."

We congratulate Mr. Harper on this evidence of well-won prosperity. To make the nursery business pay and grow takes men of the highest ability.

J. Otto Thilow, chairman of the Florists' Club essay committee, reports that the subject for the monthly meeting, Dec. 7, will be: "The Follies of 1908-9—Will they be repeated in 1910?" by C. H. Fox. January, Edward A. Stroud; February, Adolph Fahrenwald; March, Albert M. Herr. Subjects of the latter three will be announced later. We think the new committee shows commendable spirit in planning four months ahead, and congratulate them on getting such able speakers.

OUR NATIONAL FRUIT.

By James Handley, Quincy, Ill.

(Dedicated to the National Apple Show, Spokane, Wash.)

How grand are the scenes when sweet spring is unfolding,

And loveliest pictures are opened to view;

And shining in splendor for eyes then beholding

The forests and fields robes of beauty renew.

Then warmly we welcome the songsters of morning.

When singing glad praises at advent of spring;

When buds and bright blossoms the orchard adorning,

Awakening our hopes of harvest to bring.

The red, rosy apple, the bright-golden apple,

The ripe, luscious apple, of all fruits the king.

The fading of bloom when fulfilling its mission,

Gives speed to our toil in the light of good cheer,

Inspiring our zeal for fullest fruition,

For picking in days when harvest is near.

We gather the fruits with an exquisite pleasure,

In tasting its flavor how closely we cling;

And sending to others rich gain of our treasure,

We echo the chorus and gleefully sing:

The red, rosy apple, the bright-golden apple,

The ripe, luscious apple, of all fruits the king.

We choose the sweet bloom for the flower of our nation.

To reign with our banners where'er unfurled,

And ruling o'er homes from the power of its station,

The light of its blessings will shine through the world.

And, rising in heights of grandest promotion,

The sway of its scepter will speed on the way,

Till all o'er the land and far o'er the ocean

In strains of sweet music its cadence will sing:

The red, rosy apple, the bright golden apple,

The ripe, luscious apple, of all fruits the king.

— Southern Orchards and Homes

ABOUT INFESTED PLANTS.

Editor HORTICULTURE.

Dear Sir:—As a retail florist for the past several years I have always made it a rule to buy my stock of plants twice each year from wholesalers who have the highest reputation and whose prices are not always the lowest, but still I keep getting disappointed and discouraged from the fact that instead of obtaining stock free from disease and insect pests, in about two weeks after I receive such stock trouble develops so that a continuous battle has to be waged until I either dispose of such stock or throw them in the trash pile. It seems to me that in the florist business like every other business nowadays, the little dog has to bear all the woes and troubles of life while the big dog can wag his tail and lay the blame where it doesn't properly belong and continue to foist the same inferior stock on the unsuspecting buyer who has yet not learned the way of crookedness or deceit, but who learns to his grief, about the time he expects to begin to realize on his purchase, that the plants are unsaleable from the fact that the germ-laden plants have had about time to develop Mr. Scale in his different shapes, kinds and habits and, as to White Fly, Mealy Bug and some new ones not yet gotten properly named, he is up against the real thing, without any apparent relief or sympathy and only rebuke from his customers, who when they do buy a plant, expect it to be perfect in every detail and often require a guarantee as to its health and condition generally.

I would like to have your opinion as to who should bear the loss when such infested stock is sent out and what is the remedy for such practices. The little dog is thoroughly tired of suffering for the misdeeds of the big dog.

Yours truly,

Roanoke, Va. PATRICK FOY.

Mr. Foy has surely run into a streak of misfortune. The introduction of injurious bugs into any florist's place is a crime meriting severe punishment, and the bigger the dog the bigger the club should be. It would be a plan worth trying, to ship the plants back to the place from whence they came, with a bill for the board of the bugs during the time the plants were on the place. Otherwise never buy any more goods from the offending party, and in the meantime seek a remedy among the many excellent insecticides advertised in every issue of HORTICULTURE.—(Ed.)

WIZARD TRADE BRAND MARK MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —

Pulverized Manure Co.
31 Union Stock Yards CHICAGO



KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
60 lbs., 1.75 600 lbs., 14.00 2000 lbs., \$2.50

Stump & Walter Co. 50 Barclay St., New York.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS
and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

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Especially prepared for the soil. All ready to apply with drill or otherwise. It is fine, dry, pure, bulky, and cheap. Results guaranteed. Ask your fertilizer dealer or write

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A business proposition pure and simple.

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POTASH

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Fruits and Flowers

Healthy stock, resistant to fungus disease and insects, are essentially dependent on plenty of POTASH in the fertilizer. Balance your fertilizer with POTASH and make it a complete plant food, for

Potash Pays Our new *Farmer's Note Book* is full of handy information and contains list of books in our *Farmer's Free Library* which covers your branch of horticulture. Send for it FREE.

GERMAN KALI WORKS, 93 Nassau St., New York
Chicago—Meadbrook Block Atlanta, Ga.—1224 Candler Building

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

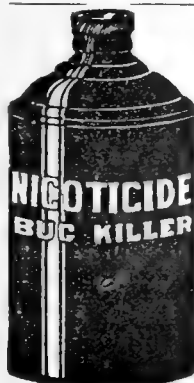
PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Not genuine without it.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

*green Flies and
Black ones too*

are easy to kill with

**The Fumigating Kind
Tobacco Powder**

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

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Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.



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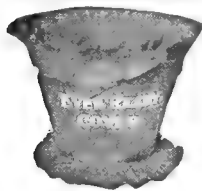
A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

BUSINESS CHANGES.

Fond du Lac, Wis.—Bush & Broome have purchased the Boulay greenhouses.

Pine Brook, N. J.—P. J. Schroeder has leased the plant of F. A. & E. J. Chapin.



**EVER READY
FLOWER POT
=COVERS=**

The best and cheapest
Pot Cover now on
the market.

New Reduced Price List.

To fit	4 in. Pots	Per doz.	Per 100
" 5 "	"	1.10	8.00
" 6 "	"	1.25	9.00
" 7 "	"	1.35	10.00
" 8 "	"	1.50	12.00
" 9 "	"	1.85	14.00
" 10 "	"	2.10	16.00
" 12 "	"	2.35	18.00

Order now. Covers can be had in pink, green, white and red. Specify whether you wish Covers to fit standard, $\frac{3}{4}$ or $\frac{1}{2}$ size pots.

Only five cents in stamps sent will bring prompt response of a sample Cover by mail with all details of size and colors.

EVER READY FLOWER POT COVER CO.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 5 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 5 1/2 " " 5.25	120 7 " " 4.20
1500 6 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
350 5 " " 4.51	24 12 " " 4.80
310 5 1/2 " " 3.78	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

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28th & M Sts., - Washington, D. C.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
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Baldwinsville, Mass.—Gerry Blodgett, house, 20x150.

Washington, D. C.—C. P. Grose, house, 18x110.

Concord, N. H.—Hermon Bolles, one house 15 x 75.

Lexington, Ky.—Keller Bros., two houses, 30x300.

Collender Point, Conn.—H. C. Fleitman, one house.

Eaglehead, Mass.—Roberts & Hoare, one house 22x75.

Cincinnati, Ohio.—Edward Sauto, two houses, 20x100.

Bloomington, Ill.—Phoenix Nursery Co., one house, 18x227.

Dayton, Ohio.—Miami Floral Co., five rose houses, 32x240.

Bay Shore, L. I., N. Y.—H. L. Patthey, six carnation houses, 18x130.

Great Barrington, Mass.—F. S. Pearson, Edgewood Farm, house, 75 feet long.

Dayton Ohio.—Mrs. Haschke, house, 14x125. The Advance Floral Co., house, 44x130.

New Orleans, La.—Chas. Eble, three houses; Abele Bros., an asparagus house, 20x100.

Knoxville, Tenn.—C. L. Baum, one house, 20x112 feet, for asparagus, and one rose house, 28x125.

PATENTS GRANTED.

940,678. Automatic Pipe Coupling. Frank C. Doane and Fred E. Ceeder, Spokane, Wash.

940,854. Lawn Mower. Adelbert B. Case, Springfield, Mass.

941,091. Weeder. Francis M. Newland, Alger, Ohio.

941,150. Hose and Pipe Coupling. Sven M. Johnson, Chicago, Ill.

941,258. Fruit Picker. John R. Johnson, Louisville, Ky.

Wm. Elliott & Sons, New York, held their last plant auction sale Tuesday, Nov. 29th, after a very satisfactory season. The advance duty on roses to four cents "specific" does not seem to have put a damper on their sale.

OUR ANNUAL SPECIAL

Will be Issued December 11

The best and most far reaching Advertising medium of the year. Has highest purchasing power behind it.

A business proposition pure and simple.

Send Advertising Copy EARLY.

NEWS NOTES.

Boston.—Dan Iliffe, the greenhouse construction and heating expert, has moved his office from Washington street, north, to 72 Pearl street.

South Deerfield.—Ralph J. Bruce of Springfield, Mass., has purchased the estate of the late John H. Ockington. He intends to conduct an up-to-date nursery and flower farm.

Bolivar, N. Y.—A. C. Rickerson of Bradford has purchased the C. J. Dougherty house and three acres of land on North Main St. in Bolivar, for \$1300. He will erect three greenhouses, each 20x100.

Portland, Mich.—Fred Marquart, who has been connected with the horticulture and forestry departments of the M. A. C., is about to form partnership with Mrs. Deana Dingman. A greenhouse which will cost \$1,000 is now being erected.



DREER'S

Florist specialties.
New Brand New Style.
Hose "RIVERION"

Furnished in lengths up to 500 ft. without seam or joint.

1 in. HOSE for the FLORIST
1/2 inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
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Couplings furnished.

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Course includes Greenhouse Construction and Management and the growing of Small Fruits and Vegetables as well as Flower-Under Glass.

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280 PAGE CATALOGUE FREE. WRITE TO: THE HOME CORRESPONDENCE SCHOOL
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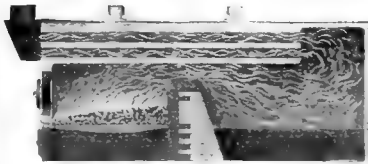
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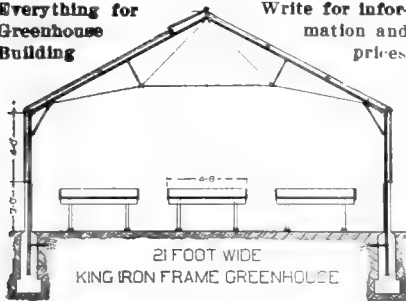
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The Most Popular Boiler Made

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Without posts.

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It will outlast two other makes,
because it is built right and of
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Send us your trial order, we
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32 feet or longer
HOT BED SASH
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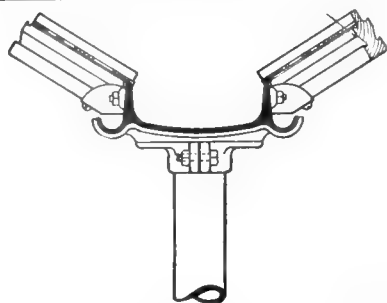
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Not cast of brittle stove plate iron — but high grade, tough iron. Are not crooked — are cast smooth and straight.

Lengths of 8 feet 4 inches, making it necessary to use only half the posts required with the shorter gutters that are on the market.

Every gutter of ours is equipped with roof bar brackets which stiffen the roof and prevent bar end rot.

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For example, if you have a retaining wall or building with a southern exposure, against which you can build the lean-to, the expense of the north side is done away with.

There was a root cellar wall here which was carried up a few feet to give height enough for the right roof slant. It is 50 feet long and has two benches.

It is Sectional Iron Frame Construction which is a guarantee for its lightness and durability. Built with our Curved Eave they make decidedly good looking houses.

Whether you want a lean-to, or whatever kind of house you want, it's good business sense to have us fill your want.

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ABOUT ITS RIGIDITY

A house may be rigid to start with, but will it stay rigid — which is the same thing as asking, is it enduring?

Listen: All cypress core bars are dipped in a chemical preservative, and the portion exposed to the moisture of the house is incased in steel—every

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The ideal construction for private estates, parks, public institutions and florists' showrooms.

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

VOL. 10

DECEMBER 11, 1908

NO. 5



PUBLISHED EVERY SATURDAY AT THE ANTIPOD PLACE BOSTON MASS

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The Rice Stepping Stones of twenty-five years successful business and honorable achievement — "Stepping Stones of our past selves to higher things" — are not merely that. They are also the trodden steps to fortune for countless thousands who follow the banner:

RICE STANDARD

Says Emerson: "Let a man make a steam engine or a lead pencil better than any other in the world—and the tread of humanity will make a beaten track to his habitation, even should he live in an untrodden wilderness." A recognition of that truth, and constant effort for something better **all the time** explains in a measure

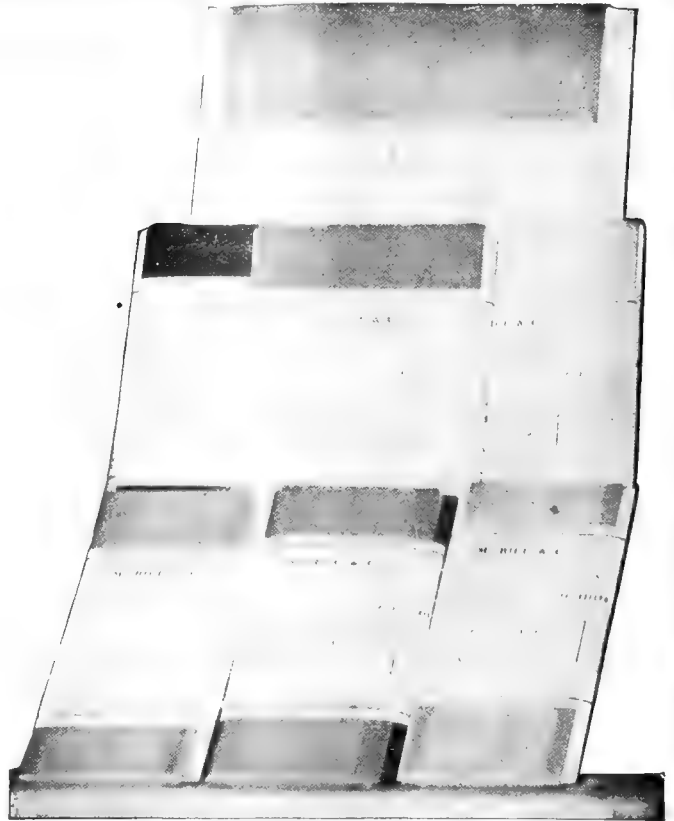
RICE SUCCESS

No one ever become a leader in his chosen field who always waited for the other fellow to do something and then copied. The Rice originals have had copies without limit; but unfortunately for the copiers they have always been a year or two behind the times.

"To win Dame Fortunes Golden smile
Assiduous wait upon her,
And gather gear by every wile
That's justified by honor."

To do something better than they have ever done before; to work honorably, faithfully and assiduously for the florists of America, that's the Rice slogan and the Rice principle.

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Dec. 11 to Dec. 20 Only

Good news for chiffon users—their name is legion—everybody now uses this indispensable adjunct of the florist's business!

A fortunate deal with a foreign manufacturer warrants this most unusual offer!

The importation has just arrived and is offered without reserve to first comers:—

4 INCH @ 2/4 CENTS PER YARD

6 INCH @ 3/4 CENTS PER YARD

10 INCH @ 6/4 CENTS PER YARD

For orders received up to and including December 20th, 1909—subject unsold. All orders will be filled strictly in rotation. Quality—the usual Rice standard—the best—firm texture and artistic colors. Can furnish in White, Pink (light and dark), Lavender, Violet, Purple, Nile, Moss Green, Yellow and Red. Pieces contain about 35 yards.

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FLORISTS' SUPPLY HOUSE
Of America
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SPECIAL OFFER for immediate shipment. For \$25.00 cash we will send the following collections of 1325 plants, in Zonals, Ivy Leaved, Fancy and Scented. This makes a complete assortment, and every one the best in its class. Do not ask us to send part of this order at this price.

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- 20 each of the following Ivy Leaved Geraniums, 100 in all.** Ballade, Corden Glory, Dina Scalarandis, L'Eleganta, Ry-croft's Surprise.
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R. Vincent, Jr. & Sons Co., WHITE MARSH, MD.

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Pres. Seelye, 1st size	\$5.00	\$40.00
White Lawson, 1st size	5.00	40.00
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Asparagus Plumosa, from 1/4 in. pots	2.00
" " " " 3 " " "	6.00

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Send for our list. The very choicest Commercial Varieties.

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Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

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Richmond, Indiana.

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A New Seeding Carnation of Wonderful Merit. Will be offered to the trade in February, 1910. For description, price, etc., see "HORTICULTURE," issue of November 6th.

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Geraniums S. A. Nutt, Ricard, Perkins, Buckner, \$1.00 per 100. Carnations Enchantress, \$1.50 per 100. Boston Market, Red Sport, \$1.00 per 100. Double White Petunia, Hardy Pinks, Vinca Var., Salvia Bonfire, 75c. per 100. Ageratum Lobelia, Malabar, 60c. per 100. Scott's Ferns, \$1.00 per 100. Aquilegias, Coreopsis Digittalis, Sweet Williams, Pansies Giant Prize, 50c. per 100.

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DAHLIAS Every Day in the Year

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New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

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A New Seeding Carnation :: ::

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

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\$12.00 per 100. \$100.00 per 1000.

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FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule,

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

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EXTRA STRONG

6 to 12 pips. For immediate delivery.

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Wholesale Catalogue Free Upon Application

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PANSY PLANTS

From my well-known strain, none better; also DAISIES (bellis) and FORGET-ME-NOT, fine plants, \$2.00 per 1000.

LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

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of Hardy Border Plants

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
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Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
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HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
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The Insecticide that kills plant lice of every species

Will be held at the

MANHATTAN FLOWER MARKET

46 West 28th Street, New York City, N. Y.

On Monday afternoon, December 13th, 1909, from two to five o'clock.

All interested in floriculture and horticulture are cordially invited to attend this test. Bring plants, shrubs, or any stock that is infested with insects and disease, in order that the real effectiveness of APHINE, as an insecticide, may be fully demonstrated and established.

If you have used APHINE and have not been perfectly satisfied with the results obtained, but are not able to be present at this exhibition, write us and tell wherein you have been disappointed.

We will endeavor to show you that APHINE will do all that is claimed for it and (as many experts agree) MORE.

Trade papers are requested to have their representatives present at our exhibition, so that distant readers may be fully informed on the merits of the tests made.

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APHINE is endorsed by the leading experts on insecticides.

If your house does not handle APHINE write us and we will send you name of our nearest selling agent.

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A Splendid Holiday Plant.

We are sending out at the present time a splendid lot of Cocos Weddelliana, in 5-inch pots, at \$1.00 each, perfect stock, of a rich dark green color, 18 to 24 inches high, just the sort of plants to appeal to your customer for house decoration.

May We Send You a Trial Lot of These?

For a full and complete list of Seasonable, Decorative and other stock, see our current wholesale list.

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send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

**We have just what you
NEED.**

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WAVERLEY, MASS.

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<i>Areca Lutescens</i>	Each
6 in. pot, 3 in. pot, 21 to 26 in. high.....	\$1.75
6 in. pot 3 in. pot, 26 to 28 in. high.....	1.00
7 in. pot, 1 in. pot, 30 to 32 in. high.....	2.00
<i>Cocos Weddelliana</i>	Per 100
2 1/2 in. pot 8 to 10 in. high.....	\$ 0.00
2 1/4 in. pot 10 to 12 in. high.....	15.00
<i>Kentia Belmoreana</i>	Each
5 in. pot, 6 to 7 lvs., 18 in. tree, \$50.00	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.	1.00
7 in. pot or tub, 7 to 7 leaves, 4 to 6 in.	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
<i>Made-up Kentia Forsteriana</i>	Each
7 in. pot 4 in. pot, 34 to 36 in.	\$2.50
7 in. pot, 4 in. pot, 36 to 38 in.	3.00
9 in. tub, 4 in. tub, 42 to 48 in.	5.00

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EASTERN NURSERIES

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

Notes From the Arnold Arboretum

Among the new broad-leaved evergreens from Western China by far the most important in number as well as in horticultural importance are the *Rhododendrons*. Of the more than one hundred species now known from China, more than sixty have been described during the last fifteen years from Western China alone, a number which hardly anyone would have thought possible before the botanical exploration of that country was begun. Almost all of them belong to the true *Rhododendrons*, while of the *Azalea* section no new species has been introduced. Some of the more noteworthy are the following of which at least several can be expected to prove hardy at the Arboretum, as they have been collected at high altitudes, in some cases at elevations of ten thousand feet or more.

Rhododendron Augustinii is a shrub reaching ten feet in height with oblong-lanceolate acute or acuminate leaves, from three to four inches long and glabrous except hairs on the midrib of the under surface which is sprinkled besides with brown dots. The flowers appear in few-flowered clusters and measure about one and three-quarters of an inch in diameter; in color they vary from white to pale purple.

A very handsome species is *Rhododendron auriculatum* with big leaves and the largest flowers of all. The oblong leaves are cordate at the base, from seven to nine inches long, whitish on the under surface and thinly covered with a dun-colored tomentum disappearing with age. The funnellform flowers are four inches long and measure over four inches in diameter; they vary from white to pink and are marked with a maroon blotch.

Rhododendron Benthamianum is a shrub with oblong leaves only one to two inches long, rounded at the base and furnished on the under surface with yellow and brown scales. The purple flowers measure little over one inch in diameter and appear usually in clusters of three. It is allied to *R. yunnanense*, another species of recent introduction, and begins to flower when only one foot high.

Rhododendron calophytum grows into a tree forty feet high. The lanceolate leaves are from nine to twelve inches long and whitish and glabrous on the under surface. The flowers vary from white to purple, measure two inches in diameter and are produced in large many-flowered clusters.

Rhododendron Davidii is also a tree up to thirty feet high. The oblong obtuse leaves narrowed at the base are from two to three inches long and glabrous and pale on the under surface. The rose-colored flowers measure about two inches in diameter and appear in clusters of six to ten.

Rhododendron maculiferum is a shrub with oval leaves cordate at the base, about two inches long and glabrous and pale on the under surface. The flowers are pale purple and marked with dark spots, measure about one and a half inch in diameter and appear in clusters of five to ten.

Rhododendron orbiculare is a shrub with very striking foliage calling to mind that of the Yellow Pond-lily. The leaves are broadly or nearly roundish, deeply cordate at the base, from three to five inches long and glabrous and whitish on the under surface. The rose-colored flowers are campanulate, two and a half inch in diameter and are produced in clusters of eight or ten.

Rhododendron Souliei much resembles the preceding, but the leaves are smaller and narrower, only about two to three inches long and but slightly cordate at the base.

Rhododendron sutchuense is a shrub with lanceolate leaves from five to seven inches long and glabrous and whitish on the under surface. The pale purple broadly campanulate flowers measure nearly three and a half inches in diameter and are produced in clusters of five to six.

Of a type very different from the preceding species are *Rhododendron intricatum* and *R. micranthum*. The former is a low densely branched shrub, from one to three feet in height with oval leaves only one-third of an inch long, silvery white or later brownish on the under surface. The lilac flowers measure little more than three-quarters of an inch across and appear usually in clusters of five. *Rhododendron micranthum* is a shrub up to eight feet high resembling in foliage and flowers a *Ledum*. The lanceolate leaves are from one to two inches long and covered beneath with brown scales. The white flowers appear in dense many-flowered clusters and measure only one-third of an inch in diameter.

Alfred Rehder.

Trans-Atlantic Notes

SOME OPINIONS ABOUT NEW ROSES

It is of much value to rose cultivators to observe that which foreigners write or speak of new varieties. The well known rosarian Herman Kiese wrote in an Erfurt gardening journal too slightly of the Lyon rose and the illustration, which does not approach anything like a good bloom of that variety. The flower is as beautifully formed as Kaiserin or Belle Siebrecht, and of a charming red-gold color which does not become paler in rainy weather. The variety is a capital autumn bloomer, a strong grower, and when grown in a frame the color is improved. It is said that it will become one of the most desirable roses of the future for cutting purposes, and inquiries concerning this variety are very numerous.

5091 1 3 270

The variety Bismarck will without doubt supersede the degenerating Caroline Testout, and a correct verdict in this case will be afforded in the coming year when a great number of budded stocks come into bloom. A grand rose which many persons have overlooked is Lady Fair of the La France tint and fine form, which nearly always comes singly on the stalk. Leuchtfeur is regarded as superior to Grus an Teplitz, and is a good bedding rose, with dark foliage.

THE JUBILEE EXHIBITION, HAARLEM, 1910

In the beginning of the month of October about 1,000,000 bulbs in variety in 1500 groups and beds were planted in the grounds. The parterre on the north side of the area bordering the Exhibition buildings are located in a formal manner; and the remainder of the area in landscape style. Two large buildings have been erected for special exhibitions. The Exhibition commemorates the 50th year of the existence of the Netherlands Society for Bulb Culture. The more important home and foreign societies will send deputations.

CARNATION PAUL MARTIN

As a variety of the Perpetual flowering class this carnation may be described as a desirable acquisition in regard to size of the bloom, which is very large, of fine double form, and of great freedom in flowering, making the variety a good decorative plant when grown in pots, and a remunerative plant for the florist. The color is rosy-salmon. The plant is readily increased by cuttings; and hitherto it has been quite free from the carnation rust and other maladies.

BEGONIA THE GEM

This charming novelty is a hybrid variety, the result of a cross of an unnamed tuberous rooted begonia with *B. Socotrana*. The hybrid has a branched inflorescence, and semi-double flowers of a carmine rose tint, 3 inches in diameter. It is a decided acquisition to the dwarf class of winter-flowering begonias; and obtained an award of merit when shown by Messrs. J. Veitch & Sons at the meeting of the R. H. S., on November 9.

TWO EXCELLENT ROSES FOR THE FLORIST

These two highly recommended new varieties of Hybrid Tea Roses are of German origin, viz., Kaiser Wilhelm II., a cross of Kaiserin Auguste Viktoria with Van Houtte, made by Mr. Nekola Welter, of Pallien, and a seedling—a cross of Frau Lilla Rautenstrauch with Sunset. The first named is distinguished by an erect habit freedom of growth, and dark green foliage. The flower is firey red, velvety very dark central petals. The flowers open readily, and the variety is certain to take a high place among dark colored H. T's. This variety comes into commerce this season. The second variety, likewise a H. T., is of the tint of old gold with

orange, and is a rose of the future—of first rank. The flower buds are long, the flower very full, and fragrant; valuable as a cut flower and for florists' work.

ACALYPHA HYBRIDS

When the two introductions of Mr. F. Sander, viz., *Acalypha Sanderiana*, and *A. Godseffiana* came into commerce, several horticulturists in Great Britain and abroad were of the opinion that both novelties might form suitable objects for hybridizing. Herrn Rettig wrote in "Die Gartenwelt" in 1899 in reference to *A. Sanderiana*, that doubtless it would soon—if not already done—be crossed with some species having variegated leaves, which would certainly give rise to a number of useful varieties. Nine years have passed, and we have not heard of any hybrids of these two species, although several hybridists have engaged in the endeavor to obtain crosses; and the pursuit seems to have been abandoned. Sir J. D. Hooker showed years ago that *A. Sanderiana*, N. E. Brown, had been known for some years as *A. hispida*, Burm.

Herrn Herman Sandhack, head gardener at Mehlem on the Rhine has given great attention to this crossing of *Acalyphas*, but without results; and the vegetation of the seed offered greater difficulties than the obtaining of it. The latter was in so far associated with difficulties from the fact that *A. Sanderiana* as seedbearer was the only available species and this bears no male blossoms, or only produces female blooms under certain conditions that lead to pollination. In the summer of 1907 he had the satisfaction of obtaining seedlings of *A. Sanderiana* and *A. Godseffiana*, and some months after vegetating he saw that these seedlings differed in leaf and growth from the parents. In the course of last spring Herrn Sandhack was enabled to discover flowers that differed in color from the dull red of *Sanderiana* and giving place to pale rose, orange, whitish green, and mignonette tints. He has selected the finest colored varieties, and intends to offer only these to the trade, in the hope that many gardeners and plant lovers will take up their culture which is as simple as that of *A. Sanderiana*. Some figures of these new varieties are given in "Die Gartenwelt" for November 7 last, viz., *A. Camphausiana*, *A. Beissneriana*, *A. Hessdorfiana*, *A. Wagneriana* and *A. Sandhackiana*, all of them differing slightly in habit, foliage, flower color and shape. It would occupy too much space in this journal to describe them, and it will suffice for me to state that the plants succeed under conditions found suitable for the more temperate orchids and adiantums, and later in the year they may be placed in a cool greenhouse along with coleus, pelargoniums, etc., for several weeks. The plants may be kept for six weeks or longer period of time in corridors and apartments, if not deprived of a modicum of sunlight.

Fredrick Moore

London, Eng.

Begonia Gloire de Lorraine

This beautiful greenhouse flowering plant has been before the gardening world since 1892. Its beautiful pink flowers last so well that from early fall until spring the plant is a mass of bloom, almost entirely obscuring the foliage. If the old flowers are cut off about the end of March and the plant given a slight shift, it will, in a few weeks, again yield as good a crop of flowers as at the first, lasting well into the summer. We have used these cut-back plants for piazza decorations, they lasting six weeks in that position.

November or early December is a good time to put in leaf cuttings, if large plants are desired the following fall, in ten or twelve inch pans. We get our best plants from medium sized, well ripened leaves. They root quickly in a temperature of seventy degrees, but I think it is a good plan to leave them in the sand until they begin to throw up the young shoots from the callous formed at the end of the leaf stem. I fail to find any difference between a leaf cutting with a heel attached and one with the plain leaf stem, equally good plants being raised from either.

For a first potting take equal parts of loam and leafmould, with about a fourth of charcoal added to keep the soil sweet and porous, the compost being as rough as can be conveniently used in a two-inch pot. One of the best begonia growers I ever knew never used a particle of sand for potting them, except what was naturally in the soil, using equal parts of fibrous loam, leafmould, dried cow manure, or well decayed horse droppings, and to every four pails of that mixture one of charcoal, all as rough as could be equally worked around the plant while potting.

I think pans are the best receptacle to grow them in, paying strict attention to drainage. Leaf cuttings treated in the above manner, and grown in a rather humid atmosphere, during the summer, if so desired can be in ten or twelve-inch pans by Sept. 1, and some of the largest ones can be staked out with small twigs and made to measure about three feet through when in full flower. If allowed to droop equally around the pan without any support they make a very handsome hanging plant. Nice small plants in six-inch pots or pans may be grown from cuttings secured from the base of a cut-back plant in April or May.

Lorraine Begonias, we find, do best grown close to the glass; a good plan is to hang them to the rafters. No flowers should be allowed to develop earlier than October first. Pinch the shoots and it will make them break good and strong from the base of the plant. A slight shading is necessary up to about the middle of September. After they are well rooted in their last shift, waterings with stable manure water will be beneficial; weak and often is the better way. They also



like "Clay's Fertilizer." Two teaspoonfuls to a ten inch pan, scattered on the surface once in three weeks is a good dose; water the plant after putting it on. Soft coal soot is also a good thing to give the pink flowers a nice brilliant color, a good handful to three gallons of water and change with the above stimulents occasionally.

When the plants begin to develop their flowers, they ought to be in a nice airy greenhouse with a night temperature of from fifty to fifty-five. They will, however, stand a much lower temperature. One of the best plants we ever grew was flowered in a north house where the glass stood quite often at forty degrees. The begonia is given to sporting, and one should exercise care and take cuttings from the best formed and most floriferous plants. The most distinct of the several varieties is "Turnford Hall." I don't consider the color good; it is neither a pale pink nor a white. However, it is much more vigorous than any of the pink varieties I have grown.

George F. Stewart.

West Medford, Mass.

Progress in Geraniums

NO. II.

At these geranium farms where thousands of stock plants are grown the real business of propagation commences about the middle of September when the cool nights are supposed to put in their appearance, for a geranium cutting will not always live when the thermometer hovers around the nineties; they are very apt to get the black rot, especially if they are the least bit over watered or if the cuttings are soft; and yet, good strides can be made in the summer. The wood should be in a fairly hard condition; wood that is just about showing a bud is generally in good shape. Cuttings should be short-jointed, about 2 inches long, cut just above the first small leaf, the first leaf cut off and the other trimmed about one-half. If they are wanted as rooted cuttings, the sand should be about 3 inches deep on the table and of a good, sharp quality, firmly packed. After the cuttings are planted they are given a good watering and then not watered again until they are rather dry, and must be kept on the dry side until rooted. In some places these are potted four or six in a pot and grown for a short time before being sent out; at other places they are left in the cutting bench until they are well-rooted and ready to ship away.

Where the business of growing and shipping 2-in. pot plants is carried on the stock is grown in the same way as for cutting trade. Cuttings are prepared in the same way, but instead of putting them on the cutting bench they are firmly potted in 2-in. pots in a light sandy loam. They are then taken directly to the greenhouse and given a thorough watering, which, if properly done, will not have to be repeated for at least ten days, when the cuttings should be showing roots through the soil to the edge of the pot. They are then watered and handed over and all dead leaves and litter removed. In about three or four weeks the plants are ready for shipment. They are knocked out of the pots, about one third of the soil removed, and then wrapped 2 or 3 together in a bundle with moss at the roots. Whenever the weather will permit they are packed upright in slatted boxes for shipment. In the winter they are packed lying down in a paper-lined box and in this manner they will carry for several days in good condition.

A quarter of a century ago we had our Queen of the West, single General Grant, known generally as the single light red, and the single dark red; then we had our dark red, brick red, light pink, and deep pink, single and double, and such appellations as in our own estimation best suited the special variety. On very few places was there any attempt at proper nomenclature, so that the result was confusion in the extreme when new stock was needed, and the confusion became even greater when stock was sold. We are glad to note that this condition of affairs is to a great extent being remedied and that nearly everywhere geraniums are now grown under their proper name.

Among those which ought to be in every first class collection and which have been introduced during the past quarter of a century are such varieties as Alphonse Ricard introduced by Braunt in 1894, having large

semi-double flowers, often measuring 2 inches in diameter, produced in enormous trusses, on long stalks, and so freely as to almost conceal the foliage; in fact almost every joint produces a flower. It is a semi-dwarf, robust grower, foliage large and of good texture and slightly zoned. In this class of scarlet we might mention Peter Henderson—a rather more upright grower; Pres. Baillet, a little darker in color and more heavily zoned. These are all good all around varieties either as pot plants or for bedding.

In the salmon we would mention Beaute Poitevine, another of Bruant introductions, which is a true representative of the type of short-jointed, robust grower, free-flowering and first class in every respect. In this color we have Anais Segalas, a 1906 introduction, not so well known, but a favorite when ever seen; enormous trusses freely produced. Mme. Landry is one of the choicest and handsomest of this class, a bright rosy salmon color. We have seen trusses of this kind that would measure 20 inches in circumference. Mrs. Lawrence is indispensable as a light salmon pot plant, of dwarf, compact habit of growth, wonderfully free in flowering and strongly recommended for winter blooming; a great favorite at Covent Garden market, London. In the pink class there have been so many noteworthy introductions within the last few years that it is really a question which is the best. M. Anatole Roseleur, a beautiful rose pink with a distinct white center, has been the most admired of any we have, and will unquestionably soon be a universal favorite, superseding all others, even the grand old favorites—Miss F. Perkins and Mme. Barney. Bertha de Presilly is a silver pink which is a fit companion to that great, dark red bedding variety—S. A. Nutt. In 1905 when Mr. Bruant disseminated Dagata he said that it represented the highest development of geraniums at that time and so far we have had no reason to dispute the claim. It is an exquisite shade of mauve rose with a large blotch of white at the base of upper petals; the individual flowers and trusses are immense.

Fleur Blanc, Bruant 1905, was the first pure white of the Bruant race and was a grand acquisition to the already splendid set of semi-double white, including such grand varieties as Mme. Recamier, Mme. Buchner, Madonna and others.

Among those reds which may be specially classed as bedders we have S. A. Nutt—the best known and most used geranium we have; John Doyle, Gen. Grant and **Mary**, de Castellane, are all universal favorites, too well known to need a special description. Col. Thomas, Brt. 1906, is a most magnificent addition to this list and one that is destined soon to rank among the highest grade of standard geraniums, an attractive shade of deep cardinal red.

Mme. Jaulin, 1904, and Jean Oberlee, Brt. 1906, are in an entire different shade, best described as peach pink; Mme. Jaulin is a true representative of the Bruant type, heavy foliage, semi-dwarf, vigorous, short jointed growers, with large trusses. Jean Oberlee is an exquisite shade of hydrangea pink, shading tenderly to almost pure white at the outer edge of each petal. Its habit is exceptionally strong and vigorous. The trusses are actually immense and undoubtedly it has a great future.

R. A. Vincent.

White Marsh, Md.

(To be continued.)

Dendrobium Sanderae



The discovery of a new orchid of showy character is rather a rare occurrence nowadays. When this new Dendrobe was exhibited in London at the Royal Hort. Society, August 3rd, 1909, it gained a first class certificate. It is a beautiful orchid. The flowers are three

inches wide, sepals and petals of the purest, glistening white, the lip white, lined with dark purple in the throat. The plant comes from New Guinea and its nearest ally is Dendrobium Dearei, which it resembles in general habit. It will require a moist, tropical house.

British Horticulture

A SPRAYING AND FUMIGATING DEMONSTRATION

An interesting demonstration of spraying appliances recently took place at Waltham Cross, a big market growing district. A machine known as the Carlton sprayer was exhibited. Another invention shown was the cucumber spot fumigant, introduced for the benefit of many southern growers who annually suffer through the ravages of this insidious pest. By the use of the lamp a dense volume of smoke was emitted, which is stated to be effective in eradicating the spot disease. Another serviceable apparatus was the new safety cyanide packages. These consist of tins, with sides of a certain gauge zinc, filled with cyanide of soda. After the bowls are filled with sulphuric acid and water, the packages are dropped one in each bowl. Owing to the fact that the acid necessarily takes some three minutes to eat through the zinc sides, the operator is enabled to walk through the house to be fumigated, placing the packages as he proceeds. The idea is extremely ingenious, and abolishes the old-fashioned method of using a long string and wrapping the cyanide up in brown paper. The growers present were particularly impressed with the safety of this method, which appears to minimize the risk of using the cyanide to the lowest possible limit.

ITEMS OF INTEREST

A leading grower of chrysanthemums for market in Middlesex is using out doors a special lamp as a preventive against the havoc caused by frost.—The

British Columbian Government is making a meritorious display of apples grown in that province at some of the leading shows in this country. A bioscope series of fruit ranches is also a popular "side show."—Mr. J. Cheal, a well known Sussex nurseryman who has extensively travelled in America and Canada, this week gave some of his reminiscences at a meeting of the Horticultural Club in London.—An attractive show is being arranged for Dec. 8th, by the Perpetual Flowering Carnation Society.—There is a movement on foot to amalgamate the Royal Botanic Soc. and the Royal Horticultural Society, the former society haven fallen on "evil days."—A new apple, "Renown," raised by Mr. Charles Ross, of Newbury, is now being offered to the trade. It was obtained as a cross from Beasgood's Nonsuch and Cox's Orange Pippin. An award has been obtained from the Royal Horticultural Society.—Recent practical trials of Nitro-Bacterine treatment of soil have been very encouraging, peas showing increased yield of 37 per cent and beans 28 per cent.—The philanthropic efforts of the Vacant Land Cultivation Society and similar organizations have met with gratifying success the past season. Many scraps of vacant and waste land have been brought under cultivation and several hundred unemployed men have been able to partly support themselves from the sale of crops.

London.

W. H. Adsett.

Soils and Fertilizer for Rose Growing

It is not possible to state definitely what amount of phosphoric acid, potash and nitrogen should be contained in a soil that would bring the rose to its highest state of perfection. Nor in the present state of our knowledge of such matters can this be done for any plant, though it is possible as the result of experiment to offer certain general recommendations for the fertilization of many plants.

Where roses are grown for cut flowers applications of fertilizing materials containing relatively a large proportion of phosphoric acid with small amounts of nitrogen and potash produce the best results. In many cases application of bone meal, used singly, is sufficient to supply the phosphoric acid and nitrogen, the soil itself containing sufficient potash. This is especially the case when certain clay or clay loam soils were used, these soils being derived from rocks rich in potash bearing minerals.

The idea of analyzing the plant and the soil and adding to the latter the kind and amount of fertilizing material shown to be necessary as the results of such analysis is an old one. This method is adapted only for laboratory experiments where all conditions are controlled. When attempted on a large scale in either greenhouse or open air cultivation, where the soil is constantly undergoing many changes, chemical, physical and biological, this results in the introduction of many factors over which it is impossible to exercise the necessary control, thereby rendering such a method useless for practical purposes.

It is true that a sample of soil can be accurately analyzed and the exact composition of the sample determined, but by reason of the changes noted above the analysis should be held to represent the soil only in a general way. Such an analysis is valuable chiefly for showing a general deficiency of some particular substance, lime for instance, rather than as a guide to the proper fertilization. Moreover, there is no method by which the availability for plant use of the substances found can be determined.

The value of grass roots—in fact all vegetable matter in a soil is due to the formation, by its decomposition in the soil, of humus, and to the further fact that during the process of decomposition there are produced acids that enter into combination with the minerals present in the soil, rendering some of them more soluble in their new form, hence more available for the use of the plants. Besides which, all green plants contain all the mineral elements necessary for plant growth, and by the decay of such vegetable matter these minerals are left in the soil for the succeeding crop. When too great a quantity of green plant matter is added to the soil there is danger of producing excessive quantities of acids, more than necessary to act on the soil minerals, thus leaving the soil itself in a "sour" or acid condition. The addition of lime hastens the de-

composition of such vegetable matter and neutralizes such acid conditions. Lime also has a physical effect in soils—rendering clayey, stiff soils more open and porous and causing sandy soils to become more compact.

It is not likely that the amount of lime found in water that is fit for domestic use, even if "hard," will be sufficient to produce any appreciable effect on roses. Some classes of plants, azaleas, rhododendrons, etc., are intolerant of any small amounts of lime, however.

High grade acid phosphate is the most quickly available source of phosphoric acid and contains neither nitrogen or potash. Animal bone is less quickly available and contains both nitrogen and phosphate of lime. For roses, when potash is needed, sulphate of potash is to be preferred to the muriate or to Kainit. Use by mixing thoroughly throughout the soil before planting, and by dissolving in water and applying as a liquid after plants are established and it is desirable to force them.

Still, after all chemical fertilizers have been applied (to what would seem an ideal soil for growing roses) in the proper proportion and form it has never been known that a house planted in such soil will run a full season without the addition of a sheep manure top dressing, cow manure mulch, cow manure liquid applications, or some other form of feeding, and be a success.

I would suggest that at the next regular meeting of the American Rose Society to be held in New York in the coming March, our president appoint a permanent committee of five members to study this question of soils and fertilizers for Rose growing purposes to co-operate with our several agricultural departments and if possible secure aid from national or state sources in this work.

We should not claim that our position is as important as that of the farmer, but we are entitled to something, as we have large investments, employ large forces of labor and pay big taxes.

This is a question that should come before the S. A. F. and O. H., but the rose growers should bring this matter up and maintain a position or they will not receive the individual attention which they should have.

It is a known fact that soil containing an ample supply of phosphoric acid in a proper form and containing absolutely no nitrogen is practically worthless, or if a soil contains plenty of all other plant food elements in their proper proportions and is lacking in one it is of no benefit. Each grower should also bear in mind that if his soil is perfection and his cutting, ventilating, watering, etc., are not properly attended to his labors go for naught.



Chatham, N. J.

Three New Chrysanthemums of Merit

Elmer D. Smith & Co.



OROBA



ARLEE



NAOMAH

Oroba.—A large early white in the way of Beatrice May, being of the easiest culture with fine stem and foliage. It may not excel Beatrice May in size but its other splendid characteristics are so much superior that it will soon gain ascendancy with the commercial grower. Three feet; ready Oct. 20th. Best bud Aug. 15th.

Arlee.—A rich golden amber of dwarf sturdy growth, excellent either as a pot plant or for cutting. Is a true single of the large flowering section producing large sprays which are borne erect. Entirely distinct and of exceptional merit. C. S. A. Cert.

Naomah.—Large Japanese incurved, a seedling from Merza, more conical in form than its parent. This variety was not judged by C. S. A. Committee but we have decided to send it out on its merits as a worthy addition to the exhibition section. If the stem were a little more rigid this would be an ideal commercial sort as it possesses every other qualification and may prove very acceptable to those who plant early and give generous treatment. Pure white. Four and one-half feet; ready Nov. 1st. Bud Aug. 25th.

Chrysanthemum Notes

DECORATIVE CHRYSANTHEMUMS

For garden culture and for pot plants many of the little Japanese decorative chrysanthemums are really most useful and there is now a distinct race of dwarf, free flowering varieties that are a great advance upon some of the older sorts. Aug. Nonin of Paris is a great specialist in this line and we have now quite a collection of his in cultivation here. The flowers are mostly as full and double as the larger sorts and among some of the best we have seen this season are the following: Eden; with stiff short florets, nice shade of rosy pink passing to pale pink in the centre. Provence; small compact flowers, bright rose. Picardie; dainty flowers of good size, color pale rose. Fee Parisienne; rosy mauve, paler towards the centre. Savoie; a pretty little Jap., very narrow florets, pure white. Aquitaine; a decorative Jap., semi-globular in form and petals reflexing, golden buff passing to gold in the centre. Normandie; purple amaranth. Fee Orientale; rather larger than

the preceding, yellow centre, shaded rose and cream. Gascagne; pale yellow deeper in the centre. Feu Follet; fine pot plant, petals like a cactus dahlia, reddish crimson, golden bronze reverse.

SINGLE CHRYSANTHEMUMS

Wherever we go we find the rage for these flowers increasing and in all the large miscellaneous exhibits at our shows the nurserymen include large numbers of the most recent seedlings. They are certainly selling well and our trade growers are now doing a larger business in singles than they are in the large show varieties. This applies not only to plants and cuttings but also to the flowers themselves when in season. At the nurseries of our leading growers the singles are grown in large numbers and form a considerable portion of their autumn displays.

Going around the shows this year we have noticed many of the most effective and promising sorts and a few notes may be useful to our American readers. One thing struck us as curious. Hitherto the French have shown no desire to embark in the cultivation of the singles but at the recent show of the N. C. S. we met an

old French friend who had a commission from a fellow countryman to procure a score of the best singles for introduction to the French flower-growing public. We spent some time going round the show to make a selection and from the French point of view it is as evident that the daisy, or marguerite-like single, was most in accordance with our friend's taste. We think this is right, as the semi-doubles, so often termed single, are a long way in arrears of what we regard as the pure florist's type and for decorative purposes have not the light artistic character of the real single.

Among the best of recent introductions J. H. Greswold Williams with long florets of medium width, pale yellow, is a neat flower. Mrs. Colles is a single of good form, old rose red, centre yellow. Florence Mountstephen is large. Freedom pure white like a marguerite, florets very long, rather narrow, centre yellow. Morning Star very long florets, creamy white, centre yellow. Eureka is purely a show flower of great size, outer florets white with large yellow centre. Blush Beauty is very large, rosy blush pink, centre yellow. Innovation is more of a decorative single, velvety reddish crimson. October White is very fine; it has long white florets, and a very small yellow centre. Gertrude; medium sized florets, yellow centre, pure white. White Duchess has several rows of florets, pure white, centre yellow. The Lion is a fine shaped typical single dull rosy red. Gladys Gaywood is a flat petalled starry-shaped flower, small yellow centre, florets velvety crimson. Lorna Kensington has very long florets thin and narrow, white tinged lilac mauve. Miss George has several rows of ray florets, centre yellow; color pale rosy blush.

Charmian Payne



CATTLEYA GASKELLIANA

Grown in the open with shading of bamboo twigs, at "The Roses," St. Clair, Trinidad, B. W. I.

Cattleya Wavriniana



The above is a beautiful hybrid between *Cattleya granulosa* and *C. Warscewiczii*, or *C. gigas*, as it is usually called. This cross was first flowered by Mr. Peeters of Belgium in 1900. The plant illustrated here was raised by the writer of these notes and forms now a valuable addition to Mrs. B. B. Tuttle's interesting collection of orchids. Up to now four plants out of the same sowing have flowered and all are equally as good; all of them showing the influence of *C. granulosa* in the shape of the flower, whereas *C. gigas* has given additional size and a beautiful color towards the make-up of this lovely hybrid. The sepals and petals are a deep rose of a metallic hue due to the combination of the green color of one parent and the lavender of the other. The strongly three-lobed lip has the rose-colored side lobes veined with deep purple on the inner surface; the front lobe is of a rich shade of purple-magenta, growing paler towards the front margin and shading off to a deep carmine on the isthmus formed between the front lobe and side lobes of the lip. The yellow markings of *C. gigas*, so conspicuous in most of its offsprings, are here almost entirely cut away, only a trace of yellow being noticeable along the edge of the isthmus. The flowers measure about 6 inches across the petals.

The plant illustrated was exhibited before the N. Y. H. S. at its recent flower show and was awarded first prize for hybrid orchid. It happens to be a free grower and a good bloomer, having produced five of its large blooms at its first flowering.

M. J. Pope

Naugatuck, Conn.

The East and the West

II.

DECIDUOUS AND EVERGREEN TREES

We find that the same species are hardy or tender according to the location in which they have grown for thousands of years. The box elder of Nebraska is worthless in Manitoba. Pines and maples from the extreme East do not do so well in Nebraska as trees of the same species grown in the West. I have known eastern elms to kill to the ground, while western ones would be uninjured. A tree may be hardy in the north and yet not be able to endure the winter drought of the plains. Prof. Hansens of South Dakota originated the Sunbeam raspberry—a cross between Shafer's Colossal and a Manitoba wild red variety. These are hardy and very prolific in the Dakotas and Minnesota, but kill to the ground at this experiment station. They simply dry down in winter. The tulip tree may live here in sheltered places, but would be an utter failure in the open.

Nebraska is 400 miles long and so has a variety of conditions. The Horticultural Society has cut the State up into several districts with recommendations of trees, shrubs and fruits for each district. White pines do well on the Sterling Morton place at Nebraska City which could not live a year at the western limit. Thousands of white pines have been planted here in York County and there are perhaps 25 yet living. As a general thing evergreens with soft foliage cannot endure the extremes of our variable climate. Most of the eleven kinds of the eastern slope of Rocky Mountain conifers do well. Those with soft foliage, like the Douglas spruce, need shelter from the sun and do well in groves surrounded by other trees. Scotch pine will do well in Manitoba but can't endure conditions at the 100th meridian.

The ponderosa or bull pine is the hero of the West. It laughs at hot winds, blizzards, and droughts, and grows right on. All the plains from the Missouri river to the Rockies can be covered with it, and since fabrics are being made of its long needles, you plant a grove of this species and you also plant a flock of sheep that the dogs can't worry and you know where they are nights. White spruce from Europe is a failure; that from northern Maine is of but little account. That from northern Minnesota is better while the belt which swings around into the Black Hills fits our conditions and they are being raised by the million.

Trees of variegated foliage soon revert to their original type. On the grounds of Robert Douglas of evergreen fame I saw some variegated catalpas of great beauty. I secured some. They put on their gala dress and then the sun commenced persecuting them and burned that charming foliage to a crisp. Then the trees seemed to say: "Well, if you don't like our style we will try something else," and they all reverted to the green dress just like their neighbors. Deutzias, altheas and weigelas are a little tender and are not planted to a great extent.

The reader might think we were badly circumscribed and had but a few things to rely on, yet there are about twelve kinds of evergreens that do well and all of our 150 kinds of lilacs with two or three exceptions. Even we have about 50 kinds of native trees and shrubs; the whole family of syringas and spireas, the large collection of cornus, tamarisk and the Russian olive do better here than in the East. Most of the perennials are a success.

In short, with a careful selection we can pull down a section of paradise and live in it and so win a victory over adverse conditions.

York, Neb.

C. S. Hammon

Pruning Peaches

In the peach house, pruning is one of the most important operations. To have the proper fruiting wood for this year's crop depends upon whether the trees were properly cared for the past year when disbudding was done and the proper training depends upon how the new wood was tied in. A perfectly trained tree can only be secured by great care in the first training and pruning. All of the strong and rank growth must be taken off unless it is needed to form the shape desired. Cut off the wood that fruited last year when possible and leave the bottom new wood to take its place.

When peaches are in flower all the air possible should be given; keep the atmosphere dry. To ensure fertilization some gardeners put a hive of bees into the house when the trees are in flower, with great success. If this is done it is well to have an opening on the outside of the house so they can get back to their hive if they should get out of the ventilator, which they will naturally do if the day is warm. When the peaches are in full bloom the outside entrance could be closed up for a few hours and make them all come out into the house. Others use a camel's hair brush to distribute the pollen. I prefer tapping the trees with my hand, to dislodge the pollen, three or four times a day; this must be done when the house has ventilation on, or dried up with fire heat.

When the fruit is set and the growth starting give them a good syringing every bright morning and in the afternoon on bright days when closing the house up. This should be done early, so they can dry up before sunset. A good watering should be given as soon as the fruit is set for now root action has started. This should be done with the chill taken off. The best and easiest way I have found is to have a faucet attached to the hot water pipe and run the water into a barrel, then use a Kinney pump to syphon the hot water from the can and water through the hose. This should be done early in the morning while the water is good and hot.

James Wheeler

An Appreciated Appreciation

I think you have been especially successful in producing timely and well-directed editorials in your publication and in my estimation they add very much to the worth of the paper.

Yours sincerely,

J. A. VALENTINE.

Denver, Colo.

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What think you now of HORTICULTURE? Five years old This present issue marks the birthday anniversary of "the new paper." Time flies and we can hardly realize that our fifth milestone has already been reached and that our "newness" is already pretty well brushed off. HORTICULTURE was started with a definite purpose, a large factor in which was to provide for those engaged in floriculture and allied horticultural industries a publication on lines somewhat different from any then in existence. We confess that we have fallen far short of our ideal, but promise to keep striving away on the same course and hope, as we grow in strength, to continue to approach nearer and nearer to the standard aimed at from the beginning. We need make no boast as to the value of this paper as an advertising medium for the trade. Better and farther-reaching than anything we might say or claim is the very positive stamp of the trade's approval which its advertising columns bear from week to week—unparalleled in the case of any other paper of its class, at the same age.

A wonderful development and its effect

The comparatively small number of varieties commercially grown for the cut flower trade has for many years been a favorite taunt with the "old-fashioned" gardener and the alleged decadence of the fine art of flower growing under glass has been often bemoaned both in public and in private. "All you know is Bride, 'Maid and Beauty, carnations, and chrysanthemums" is the refrain which many a florist has often had to listen to. No doubt some foundation for the criticism existed in years gone-by but the commercial flower grower was industriously and profitably improving the culture of those popular specialties to a standard of quality such as the world had never before seen and he had the public with him—heart and soul and pocket-book—and so he kept on his way. Indeed, there was a long period when, if one wanted to procure "odds and ends" of promiscuous flowers, the small obscure shop was the place they were most likely to be found. A reaction was sure to come, in time. The vastly increased production of the standard varieties of roses, carnations, violets, chrysanthemums and forced bulb flowers resulted in their becoming "common" and then the street fakir got busy and the result is well known in most of the large flower-producing centres.

Tendencies and outlook

But there is "always room at the top" and here history begins once more to repeat itself. Perhaps it was the plant grower who was the first to recognize and take advantage of the popular yearning for "something different." For some years back the cut flower specialist has had a most uncomfortable realization of the plantsman's activity and the public's approval thereof at Easter and the Christmas holidays especially. But the cut flower grower has also heard the call and his product, as seen in the daily stock of the society florist in New York City and other centres which practically set

the pace for the rest of the country, begins to show a new complexion. Not only rich orchids in many species, luscious gardenias, and prim camellias but lancifolium lilies, ericas, bouvardias, wall flowers, daisies, pansies, antirrhinums and mignonette, together with half a score of new roses, now occupy places of honor in every Fifth Avenue show case and find favor among aristocratic buyers. The "old-fashioned" gardener can now see the dawning of the day he has longed for and he may rest assured that the present demonstration is but the beginning of what is to come.

The increasing appreciation for promiscuous small flowers will, we hope, prove a boon to many growers who, with small, old fashioned houses, have found themselves unable to compete successfully in highly specialized products against the vast modern-equipped ranges of glass houses which are constantly going up. This varied auxiliary material which now seems to have a fair chance in sight has no need for glass palaces; neither have the majority of the flowering plants for which a good regular market has now been established. Azaleas, ardesias, Lorraine begonias, primroses, cyclamens, poinsettias, ericas, small ferns and very many other things now grown or that will yet be grown for the holiday trade, do famously in antiquated structures—some of them undoubtedly better and more lasting than if more luxuriously housed. We call attention to these gradual tendencies in the commercial florist's business because they indicate a wider sphere and enhanced opportunity and because it is wise to observe and draw conclusions as to the future trend, from the centres where floral whims and fashions have their source. He prospers most who keeps a sharp outlook, not alone to learn what others are doing but with a purpose to utilize the knowledge thus obtained in determining the direction of general movements and development in the immediate future.

Treatment of Newly Imported Orchids

When a cultivator receives orchids direct from their native country, which may be hundreds or thousands of miles distant they should be unpacked, and all decayed growths, pseudo-bulbs and roots removed with a knife, and those that are sound and uninjured sponged with a mild insecticide or soapy water: as scale insects and others, besides cockroaches are pretty sure to be present on them. Having been cleansed, place them on sphagnum or wood moss in the glass house and afford shade from bright sunshine, and lightly syringe them with tepid water. Some orchidists after cleansing the plants hang them on rods or to the staging with the heads upwards, and use the syringe once daily besides keeping the air in the house in a moist state by sprinkling the floor and walls. This kind of treatment may be per-

sisted in, for ten days or a little longer, the application of water to the plants direct being very sparing. Another method and a good one is to place the plants on the top of suitably sized clean pots filled with clean crocks, sprinkling the plants and crocks once a day, until they begin to grow at the ends of the roots. With this method of restoration there is less fear of decay occurring, and the plants break freely. When the plants have fairly started to grow a small quantity of sphagnum or rough orchid peat, and pieces of charcoal may be laid on the crocks for the roots to cling to. Hanging the plants with the heart growths downwards is the better plan with Phalaenopsis, Aerides, Saccolabiums, Angraecums, etc., as by this means water cannot lodge in the breaks. When symptoms of growth are evident, those plants which come from hot climates, such as the Philippines, Burmah, India, etc., should be put into the warmest house unless they are natives of the mountains of those countries. Growth having become active the plants should be placed in suitable mixtures, consisting of sphagnum, peat, and charcoal (this last for the sake of its moisture-holding property) in pots having perforated sides, on wood blocks) in baskets made of soft earthenware or in copper wire baskets.

Fredrick Moore

French Gardening

There is now a boom in the French system of intensive culture on this side. Several important experiments have been made in this method of raising produce by the use of hot-beds and the bell-glasses (cloches). Interest in the subject has been further stimulated by the publication of several books describing the commercial possibilities this method of growing offers. The system has been successfully put into practice by Misses Jones and Peers, at Thatcham in Berkshire, under the guidance of a French expert. It is contended by the advocates of this French system that it is possible to raise the crops of early vegetables and salads which are imported in such large quantities from the market gardens in the environs of Paris. Similar gardens have been constructed at Maryland in Essex, and Evesham in Worcestershire. One of the largest gardens of the kind is being now prepared in the Thames Valley. In England the bell glasses have for many years been utilized in private establishments, but it is only in recent times that its use has been adopted on an extensive scale by commercial growers in this country. Some four years ago, a party of market growers from Evesham paid a visit to the market gardens in the suburbs of Paris, and were impressed with the advantages of the French plan of raising heavy crops from a small area of land. On their return to England one or two of the more enterprising of the party determined to introduce the system to this country. Others followed the example, and then the popular Press had sensational articles on the potentialities of "The Golden Soil," attractive but somewhat misleading to the unpractical. The new gardening has evidently come to stay.

W. H. ADSETT.

London.

Autumn Show at Edinburgh

On the 18th, 19th and 20th November last, the Scottish Horticultural Association held its annual show of chrysanthemums, fruit and vegetables, in the Waverley Market, Edinburgh. The site is an extensive one and measures about 150x380 feet. The schedule provides for 111 different classes which may be briefly divided into cutblooms, bouquets and floral designs, chrysanthemum plants, other plants, fruit and vegetables. The prizes amount to over £400, mostly in cash, although a few medals are included. Among the most valuable prizes were the City of Edinburgh cup and £20 for the 1st, £15 for the 2nd, £10 for the 3rd and £5 for the 4th; the Scottish Challenge cup and £8 for the 1st, £6 for the 2nd, £4 for the 3rd and £3 for the 4th, both for cut flower exhibits.

The whole of the exhibits were arranged on tables and a marked feature was the absence of those fine decorative miscellaneous groups we are in the habit of seeing in and around London, and which contribute so materially to the general artistic effect. There was only one such group and that came from W. Wells & Co., of Merstham. The pot plants of chrysanthemums, of course, were staged on the ground level.

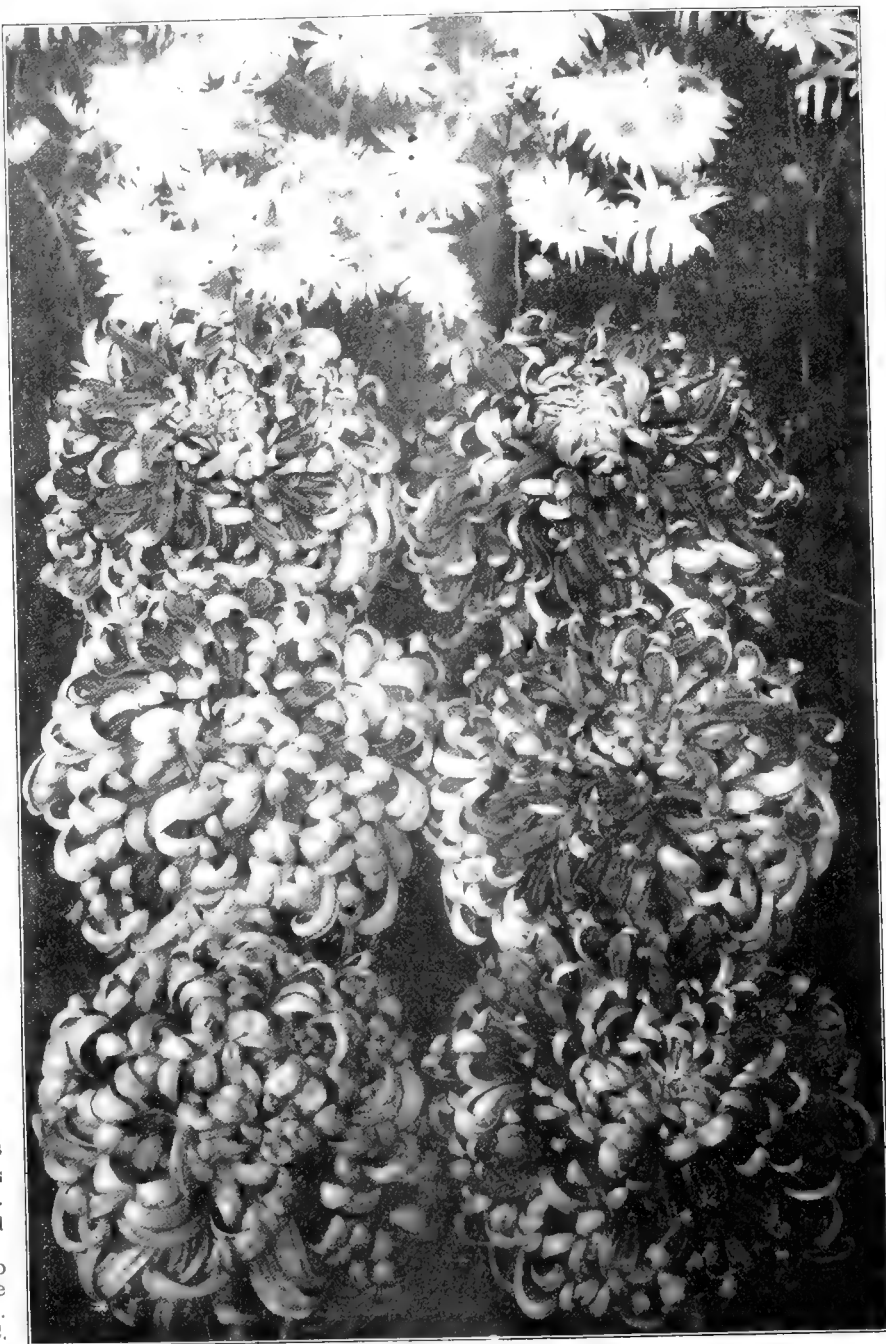
Alex. Morton, gardener to the Dowager Countess of Seafield, won the City of Edinburgh cup with a truly grand show with his 45 superb blooms, 3 of each in 15 vases. They are well worthy of special mention, viz.: Lady Talbot, Lady Conyers, Reg Vallis, Bessie Godfrey, Mrs. A. T. Miller, Mrs. G. Mileham, Alg. Davis, Mme. G. Rivol, Mme. P. Radaelli, Miss Hickling, W. Beadle, Victoria and Albert, Elsie Fulton, Edith Jameson and J. H. Silsbury.

The second prize was awarded to D. Nicol who had several of the same varieties, but Splendor, Purity, F. S. Vallis, Mrs. F. W. Vallis, Mrs. C. Beckett, Hon. Mrs. Lopes, Mytchett Beauty, were in the place of those not shown by the first exhibitor. Altogether there were six exhibitors and the collections staged by them formed unquestionably the leading feature of the show in cut blooms.

The next important prize, the Scottish Challenge cup, was awarded to John Finnie for a lot of grand blooms, F. S. Vallis, Mrs. F. W. Vallis, Lady Talbot, Marquise Visconti Venosta, Bessie Godfrey, Reg. Vallis, Mrs. A. T. Miller, J. H. Silsbury, being those shown.

For the second prize the award went to L. McLean, who showed some fine blooms of Mrs. L. Crossley, Jumbo, Alg. Davis, Lady Conyers.

Class 3 had no fewer than ten competitors. The conditions of this class were as follows, viz., 6 vases of Japanese chrysanthemums in 6 varieties,



BESSIE G. PAYNE

Awarded Silver Medal at Edinburgh, as best New Chrysanthemum not in Commerce.

3 blooms in each vase. Mr. McKellar's lot came in first. We noticed in the four prize winning exhibits almost every flower shown in the bigger classes was represented, showing the importance that the exhibitors attach to certain sorts for the purpose.

In the class for new chrysanthemums not yet in commerce, first prize—the Association's silver medal—was awarded to W. Wells & Co., who staged a very fine display of their golden chestnut novelty, Bessie G. Payne. Second prize went to a novelty, Mary, that was a long way off the first, shown by Mr. McLean; only one bloom was staged. Mrs. W. Iggulden, a sport from Mme. G. Rivol, Mrs. W. Hookey, a sport from Mrs. F. W. Vallis, and a

single called Miss Kate M. Cowan were the only other novelties in this class.

In the pot plant classes for chrysanthemums there were many entries. Japanese, pompons and singles were all represented but the culture was rather below the average. In the miscellaneous trade groups of chrysanthemums, W. Wells & Co. had a group of finely flowered plants arranged in a most effective style, edged and relieved here and there by autumn foliage and ferns. Among the singles were Narcissus, Mary Ellis, Crown Jewell Improved, Robert Thorp, Mrs. Will Jordan, White Pagram, Kitty Bourne, etc. Large Japs of superior merit were also included.

Messrs. Geo. Williams & Son showed

a most interesting collection of cut flowers. Specially noteworthy were the huge strain of singles, almost worthy of the name of giant singles. Mrs. Chas. Howe, Leslie Spencer, Manor House Park, Caledonia, Mrs. Chamberlain and Florrie King were some of the best.

John Forbes showed a miscellaneous group, of which palms and foliage plants formed the background and among the numerous subjects worthy of notice were Bouvardias Bridal Wreath, Pres. Garfield, Elegance and Alfred Neuner, Salvia Glory of Zurich, Michaelmas daisies, Begonia Gloire de Lorraine and carnations in quantity, of which Enchantress, Nelson Fisher, Midas, Queen Louise, Enchantress, Robt. Craig, Britannia, Mrs. H. Burnett, Lady Bountiful, etc., formed no inconsiderable a portion. From Young & Co., of Cheltenham, carnations were staged in lightly arranged bunches in vases. They were Beacon, Irene, Britannia, Rosedore, Mrs. H. Burnett, Mikado, White Enchantress, Fortuna, Harlowarden and several others.

A very good stand from H. W. Ellison was contributed consisting of ferns nicely and effectively set up. Wilson & Co. also showed ferns.

There were many fine displays of bouquets and floral designs from Scottish florists and some excellent designs were among the number. Specially interesting from an artistic point of view were the bridal bouquets. The Misses Todd exhibited a set each of a bride's bouquet and two bridesmaids' bouquets that were well worthy of a Paris florist. The dinner table decorations, seven in number, were on the contrary very poor in execution and scarcely worthy of so great a show.

Fruit was numerous and formed the classes 71 to 88. The chief products were grapes, apples and pears, but here again there were many small exhibits. The first prize in class 71, for a table of fruit, was awarded to D. Kidd. In this lot the decorative effect was of the highest order and the quality of the fruit staged amid surroundings of decorative chrysanthemums and smilax was excellent. Apples and pears on plates, grapes, Eros Maroc Muscat of Alexandria and Appleby Towers were remarkable fine examples of cultivation.

In the grape classes, 72 to 79, there were 88 bunches shown in the usual English style. In one class for two bunches of Alicante, 12 exhibitors competed. The remaining classes, 80 to 88, were well filled by numerous exhibitors and occupied a large portion of the space.

Among the fruit and vegetable classes there were many and varied displays in most cases of a high order of merit.

The jury, exhibitors and officers of the Society were entertained to dinner, the chair being taken by Mr. Whytock, president of the Society, and head gardener to the Duke of Buccleugh.

C. HARMAN PAYNE.

At the annual meeting of the El Paso County (Colo.) Horticultural Society the following officers were elected: Dr. D. H. Rice, president; Dr. W. W. Arnold, first vice-president; J. F. Lilly, second vice-president; F. W. Holman, secretary; W. W. Williamson, treasurer; Fred Horn, John Berry and Edwin Pierce, members of schedule committee.

THE FOLLIES OF 1908-9—WILL THEY BE REPEATED IN 1910?

Charles Henry Fox, before the Florists' Club of Philadelphia, December 7th, 1909.

It is highly probable that this title has an air of familiarity about it, for I believe it is a billboard term, but nevertheless this very negative subject that I have chosen may help us as florists—I would rather say brother florists. After all, we are one and the same, and the names we are known by—growers, wholesalers, and retailers—are terms designating the little corner we fill in the great game. You and I are neither independent nor dependent, but we are interdependent. Who says I am independent commits the worst folly of 1909, and I hope you will not find him in 1910. Primarily a folly is the act of a fool. In order to succeed and advance our business we must not be fools. No one would commit the folly of selling old stuff for fresh. No grower would purposely leave his carnation range closed at night when he should carry an abundance of air and a pipe, yet the folly of cutting the crop, shipping it the next day to the wholesaler, who in turn sells it to the retailer the next day or the next (as they just came in), and who in turn sells them to the customers (as they just came in), who comes back the next day to complain they were not fresh. Were they? Do we depend on each other? No one will question that. Are the follies of one the follies of all? This subject truly concerns all of us. We are a cosmic whole; what affects one affects the other directly or indirectly. We do not know where it stops. Life is but a change, and we must change with it. What was O. K. five years ago will not go today. Our customers are changing; they demand more, better goods, better service, intelligent service. I think I have a fine side light on this subject.

What are gifts anyway? What can flowers be used for? Why are not more of them used at Christmas and on every occasion? Someone has said, "Flowers are frozen music." Now there is hurdy-gurdy music and grand opera music; both have their use. But be careful you do not supply the hurdy-gurdy kind to a grand opera customer.

We sell impressions, sentiment, and sympathy. Flowers properly used can form any expression you desire and will reach the sternest business man, as well as the most cultured and refined woman. Every birthday should be garlanded with flowers. Every anniversary should be honored with flowers. Married toles as well as single should remember St. Valentine's day and send flowers. A Thanksgiving table looks twice as good if flowers are used on it. But these sales cannot be encouraged as long as the public considers flowers extravagant, and almost a prohibitive luxury. We must get rid of these impressions, and the time to do it is when they want flowers.

Have you ever stopped to think of the wonderful possibilities of the business we represent? Into what the business can be developed? What we must do to correct the errors in order to develop? One of the greatest of these errors is the extortionate prices at Christmas. No matter how good or how poor a season we have had, or what the outlook for the mid-winter and early spring social season may be, it is "wait for Christmas"; lay back; store the stuff; salt it down, and unload to your customer at the highest possible price!

Catch the dubs that want flowers for Christmas, and soak them good and hard. We think they have to have them, but they don't. They are ready at this holiday time to spend their money for gifts. All Fall you

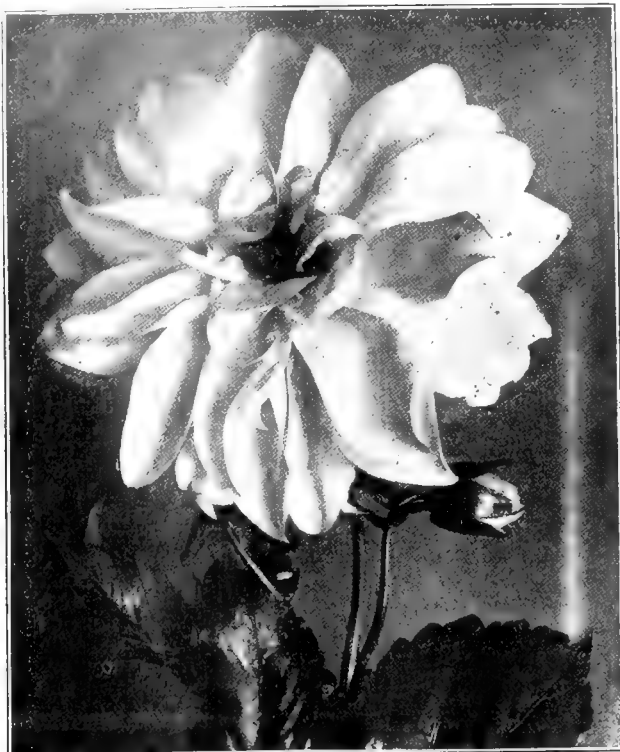


EDINBURGH SHOW

W. Wells & Co.'s Exhibit of Chrysanthemums.



DECORATIVE DAHLIA MME. VANDEN DAEL
Pure White.



PEONY FLOWERED DAHLIA QUEEN WILHELMINA
Light Pink.

have led them along from cosmos and dahlias to chrysanthemums, violets and orchids. You sold these at a profit, and pleased your customer, the wholesaler and yourself. You have spent good money, in advertising to bring the buyers to your store, but now with our 300 per cent. advance we undermine the good we have done all fall.

All your advertising, all your catering, all your good ideas are wasted energy. Instead of leading up to Christmas, and seizing the psychological moment to persuade your customer to buy flowers for Christmas gifts, and use flowers in connection with all other gifts, you turn on the cold water spigot, and give them a chill that they do not get over for three or four weeks, with your extortionate prices.

And for what, gentlemen? One day. This one day ruins a whole month's business. You can't wipe it out of people's minds. They will not go near a flower shop unless they are absolutely compelled to. When you turn on this cold water spigot, they do not get over it in three or four weeks or a year. They may get over the chill, but the effect of the high prices at Christmas shows itself throughout the year; and you lower their vitality as buyers of flowers, and when you turn it on again at the next flower season, be it Christmas, Easter, or Thanksgiving, you gradually give them consumption, and they leave us altogether.

Why it is a yearly occurrence that for a week before, and three or four weeks after Christmas, the first remark a customer will make will be, "Flowers are awfully high now, aren't they?" Before you have had a chance to say anything, showing what is upmost in their thoughts.

Now if those who come into your store think that way, what must the

thousands that pass by think? You know it is the thinkery that does the work, and on this account they resolve to buy gloves, confectionery, jewelry, etc., and so florists lose thousands of dollars' worth of sales.

Do these merchants advance their prices because their customers want their goods? Not on your life; they are too clever. They have spent good money all season advertising and building up trade, and they are not going to detract from that valuable asset, the customer, that they have psychologized into buying their wares just because there is an increased demand for them.

I have actually heard florists say, direct to the customer, who is complaining of the awful advance of 300 per cent., "Well, flowers are very expensive at Christmas, and we have a great demand for them and they are very scarce." And then your customer immediately thinks, "Well, it does not have to be flowers; I am not going to be Buffaloeed that way. Why not send candy at 80 cents per pound for the best, or why not jewelry same price as at any other time of the year?—and it will keep, too, while flowers would be gone in a few days, anyway." So they go and spend their money elsewhere. Aside from this, we not only lose the sale but the confidence and respect of the customer as well.

You will see flowers for sale the next day on the street at every corner at one-third less than you ask. Violets for which you yesterday asked \$1.50 or \$2.00 per bunch—and, by the way, violets are never worth \$1.50 or \$2.00; I mean a bunch of 50—the next day after Christmas they will be poked under your nose for 50 cents per bunch. If they were so scarce as you told your customer, how is it that there are so many on the street

the next day?

Gentlemen, put yourself in the position of the retail customer and note the impression you get. Could you have confidence and respect for a business man who tried to charge you three times the fair price just because he thinks you must have the goods? Now, though the retailer has much expense at this rush season, although he must employ extra help at high prices and he has extra delivery expense, and he has extra wrapping expense to protect from frost, and he must make good anything that is frozen, yet all this does not account for the exceedingly high prices asked by him. What is the reason? It is the wornout system of trying to crowd out of one day's business the profit which should be spread over a month. We would make this profit, and more too, if prices were at a slight advance—say, 50 per cent. There would not be any to sell to the street man the next day.

The commission man would be happier, for if anyone has his troubles it is he. He is between the devil and deep sea, trying to please his store man and his grower. You can go to any commission man a week before Christmas and he is afraid to tell you the price for fear his grower will declare he is too low. How are we going to sell under these conditions? Drop the follies of 1908. Let us be sane, and make a play for the biggest end of this Christmas shopping. Turn the tide our way, and explode this idea that the public has, that flowers are awfully extravagant at Christmas.

Now, after all is said and done about follies of 1908, and extortionate high prices at Christmas, I must not be construed as an advocate of cheap prices or cheap work, but there is a vast difference between a square deal and "get what you can" plan.

Obituary.

Albert Du Planty.

Albert Du Planty, a pioneer florist of Vineland, N. J., died suddenly, Nov. 29, at Johnson City, Tenn.

Robert Marks.

This capable gardener, long employed as general superintendent of the estate of Mr. Darlington at Mamaronock, N. Y., died on November 29, aged sixty years.

Andrew Irwin.

Andrew Irwin, aged 75, died Nov. 28th, after an illness of twelve weeks. He was a veteran of the civil war and a life-long employee of the Pennsylvania railroad. Mr. Irwin was not connected with the florist trade but was the father of Mrs. Albert M. Herr, of Lancaster, Pa., treasurer of the Ladies' Society of American Florists.

Raymond Moore.

Following a very short illness, Raymond Moore, the only son of Mr. and Mrs. S. H. Moore, died Nov. 29, at his home, 94 Lake place, New Haven, Conn. Mr. Moore would have been 19 within a few weeks. He was a member of the class of 1909 at the New Haven High school and was a member of the High School fraternity of Theta Sigma. He was very popular with his associates. Since graduation he had been employed in his father's florist establishment in Chapel street.

John Seligman.

John Seligman, wholesale florist of New York city, died on Sunday, November 28, aged 36 years. Mr. Seligman has been ill and unable to attend to business for the past five or six months. He has been in business at 56 W. 26 street for four years, previous to which he was engaged for thirteen years as a salesman in the wholesale store of M. A. Hart. He was an honest, industrious young man and the news of his death was received with sadness among the florist trade. He leaves a widow and two children. The business will be continued under the management of his partner Joseph Levy.

PROTECTION AGAINST INSECT PESTS.

In his annual report just issued, Secretary Wilson of the Department of Agriculture says:

"What we need is a federal statute which shall not only forbid the importation or interstate transportation of injurious insects in all stages, with adequate penalties for its violation,



The distinguished author (alluded to in the above name) was so pleased with this beautiful sweet pea, which Burpee will send out in 1910, when it was exhibited in London in 1909, that the name has been changed from Prince of Wales Spencer to Marie Corelli. We give below the introducer's description:

This brightly colored variety might be described briefly as a glorified "Spencer" type of the popular grandiflora Prince of Wales. Because of increased size and fluted character of flowers the effect is brighter and more pleasing.

but also provide for a thorough system of inspection and quarantine, at ports of entry, for nursery stock and other materials on which such insects may be imported, as well as a sufficient means of control of interstate transportation of such materials. Such an inspection, in conjunction with the admirable systems now in existence in the states, would provide the country with a reasonable degree

The flowers are brilliant rose-carmine or red, of good size and fine form. The wings are a pure rich rose-crimson and the standard is the same with a tint of cherry-red. The whole effect is that of a brilliant crimson—clear, distinct and beautiful.

The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping.

The strong stems are long and usually bear four blossoms each. The plant is very vigorous and free flowering. This is a variety that belongs in all first dozen sets and will become one of our standard shades in Spencers.

of protection against additional introductions of insect pests."

The West Virginia Horticultural Society, in session at Keyser, elected the following officers: John Cornwell of Romney, president; V. F. Alhire of Keyser, vice-president; A. L. Dair of Morgantown, secretary, and H. L. Smith of Martinsburg, treasurer.

A MODEL OF FORMAL GARDENING.

Those who would lay out an estate after the fashion of the formal garden may well take lessons from the magnificent effects obtained at Miramar, near Trieste, the home of the ill-fated Maximilian of Mexico. Miramar, as



the name might indicate, lies next the sea, and this serves as basis for the plan.

Up from the beach the first terrace slopes gently, almost imperceptibly, a hollow square. At the center there is a formal, circular flower bed. Thence north, south, east, west, walks of paving stretch. At either side these lead to stairs of stone, ascending to the



heights. A railing of heavy pillaring helps here wonderfully. On the top, too, one has this heavy rail.

Miramar's great charm, however, is the porches along the sea. These, by simple addition of a trellised roof, are covered with vines of varied sort, through whose leaves the sunlight filters. Miramar is an almost unoccupied chateau. It ranks, however, among the most impressive of all the continent. **FELIX J. KOCH.**

LAND DEVELOPMENT FOR CIVIC BEAUTY.

Abstract from a paper read before the National Land Congress at Chicago, November 18, 1909, by E. F. A. Rehnisch, Topeka, Kans.

We are just beginning to understand the mission of the landscape gardener, the importance of his work and the value of the park as a means of instructing and familiarizing the public with the possibilities and beauties of the art of landscape development. We are educating the people to appreciate the beneficial influence of the beautiful outdoors on the moral as well as the physical conditions of society. We have learned to realize that beside the esthetic our parks have a great economic value in as much as they raise the standard of health, happiness and contentment of the people, especially in large centers of popula-

tion. Appreciating this fact, many cities of this country have reserved and acquired considerable land for park purposes; have improved, and are maintaining the same in the best possible condition. First in this movement were the cities along the Atlantic coast, but by and by the idea moved west and we have magnificent park and boulevard systems in the middle west.

Railroad Gardening.

Railroad station parks offer a great field for the landscape gardener of the future. In the past little more has been done in ornamentation of station grounds than planting of tender greenhouse material, or bedding plants, which are generally grouped into more or less appropriate designs, carpet effects, names and trade-marks. This is not landscape gardening in its proper sense. It is quite expensive and transient, as the beds have to be renewed every year and at best only last a few months in this latitude, leaving the ground bare and unsightly from the time of the first frost in fall till the warm weather in May. The landscape gardener uses hardy material such as trees, shrubs and herbaceous plants. This material is cheaper and the plantings perennial; it gives a more natural effect and is attractive the year around. What could be more pleasing than a generous expanse of green turf with a background of varying forms of masses of shrubs with the ever-changing tints of foliage and succession of flowers? In winter the different colors of bark range through all the tints of white and gray to almost black; yellow and crimson to brown, contrasted with the heavy green of the interspersed evergreens.

Besides the ornamental—the emergency and economic plantings play an important part in railroad gardening, such as screens for shutting out unsightly features which are beyond the control of the railroad management, hedges along the property lines, snow hedges to protect cuts from filling up with snow and lastly timber plantings for posts, cross ties and telegraph poles. The Santa Fe railroad has carried out this simple plan of using hardy plants for the embellishment of station grounds and has improved most of the larger stations in this manner; several grounds are more than one acre in extent. This area of well kept rich green turf, fringed by a background of masses of shrubs with a varying skyline, is a picture long remembered by the weary traveler. Besides the Santa Fe, the Union Pacific maintains well planted station parks and at present is branching out into timber culture in planting extensive tracts of land with catalpa for cross ties, etc. Other large roads are planning systematic improvement of their stations in the same manner.

Adorning the Home Grounds.

The proper planting of trees, shrubs, vines and hardy perennials for the adornment of the home grounds extends the habitation beyond the mere walls of the house, and makes for the inhabitants a beautiful, large and grand living room outdoors, and a pleasant sight for the passerby. It is within the reach of every farmer to have a

beautiful green lawn with a fringe of shrubs and a few trees to give shade and coolness during the hot summer days. He can also have a summer house, pergola, tables and benches; however rudely built, they are of great comfort, and their enjoyment much more than pays for the little cost and trouble of building them. All these things add to the comfort and beauty of the home, and have a tendency to forestall the discontent with farm life of the growing up sons and daughters of the twentieth century farmer. Give the home and its surroundings a touch of beauty and refinement, set apart a little portion of land for play and recreation, and you will have destroyed the monotony of farm life, and the city will have far less attractions to the young folks. Instead your place will attract your city friends and a visit to it will be a great privilege to them.

County Parks.

I would also suggest rural parks, owned and maintained by the county or township, provided with shelters, necessities and conveniences for holding picnics, and other meetings, and gatherings for play and recreation. These parks, and good roads, will go far toward elevating the standard of environments of the farmer and make country life more desirable and beautiful.

WORK OF THE BOSTON LANDSCAPE CLASS.

On page 831 we give two illustrations of the work which is being done by the Landscape Class of the Gardeners' and Florists' Club of Boston.

The upper illustration shows the student's solution of the problem of locating a house and stable in suitable positions on an irregularly and awkwardly shaped lot of land of very uneven surface, the outlines of which, as well as of the buildings, were given him. The lower picture illustrates the original topographical condition of the lot, and also shows the grades which the student has established. His further task, as shown by the plans, has been to arrange conveniently a driveway and paths, and to produce a good general landscape effect.

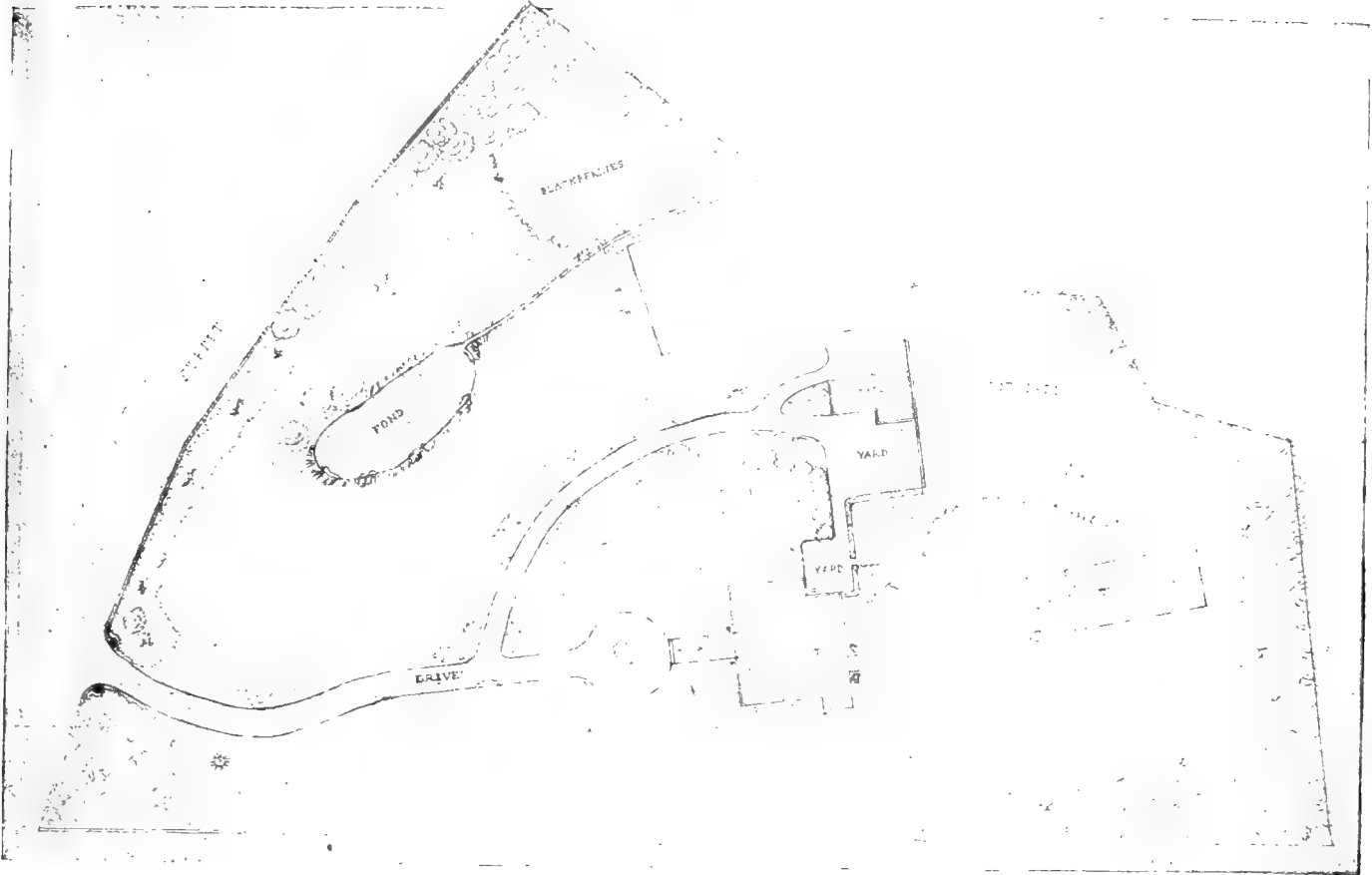
The arrangement of trees, shrubbery, flowering plants, fruit trees, small fruits and vegetable garden is a branch of the work in which the practical young gardener has a decided advantage over the so-called landscape architect.

With the growing demand for the creation of large residential estates all over the country at the present time, there are greater opportunities for the trained gardener having practical knowledge of landscape construction than ever before. The commendable work of the Boston Landscape Class will do much to enable the ambitious gardener to avail himself of these opportunities, and will at the same time enable him to meet the landscape architect on the vantage ground.

The class meets every Tuesday evening, 7.30 p. m., at Horticultural Hall, Boston. Visitors are always welcome and will find the proceedings very interesting.

PLANS FOR LAYING OUT A SUBURBAN ESTATE

By a Pupil of the Landscape Class of the Gardeners' and Florists' Club of Boston



LAY OUT AND PLANTING PLAN



GRADING PLAN

About New Carnations

The present season, which had given no special promise of any strong favorites among the new introductions, has now brought forward several new sorts which are quite sure to attract no small amount of attention. There are several varieties which surely have qualities deserving the attention of all carnation growers.

Such varieties as *Admiration*, *Dorothy Gordon*, *Sangamo*, *Shasta* and the two well-known sorts, *Alma Ward* and *Mrs. C. W. Ward*, furnish the expert with promising varieties to say the least. Besides these already mentioned there are *Mary Tolman*, *Conquest* and *Scarlet Glow* to be included with the list which is steadily lengthening.

Admiration was closely inspected last season by visitors to the carnation convention in Indianapolis and made many friends at that time. It would be surprising if this variety did not fulfil expectations. The growth is very strong, clean and healthy. The stem is stiff and the flower very attractive. The flower is a satiny, clear pink, between *Winsor* and *Winona*, which holds well through all degrees of sunshine and it is a grand keeper and shipper.

Dorothy Gordon and *Sangamo* both



ADMIRATION

appear to be sterling sorts, and are especially promising in the general habit of growth.

Mrs. C. W. Ward and *Alma Ward* have been admired by carnation growers for some time and there is no

doubt that many will be glad to be able to get stock of these varieties.

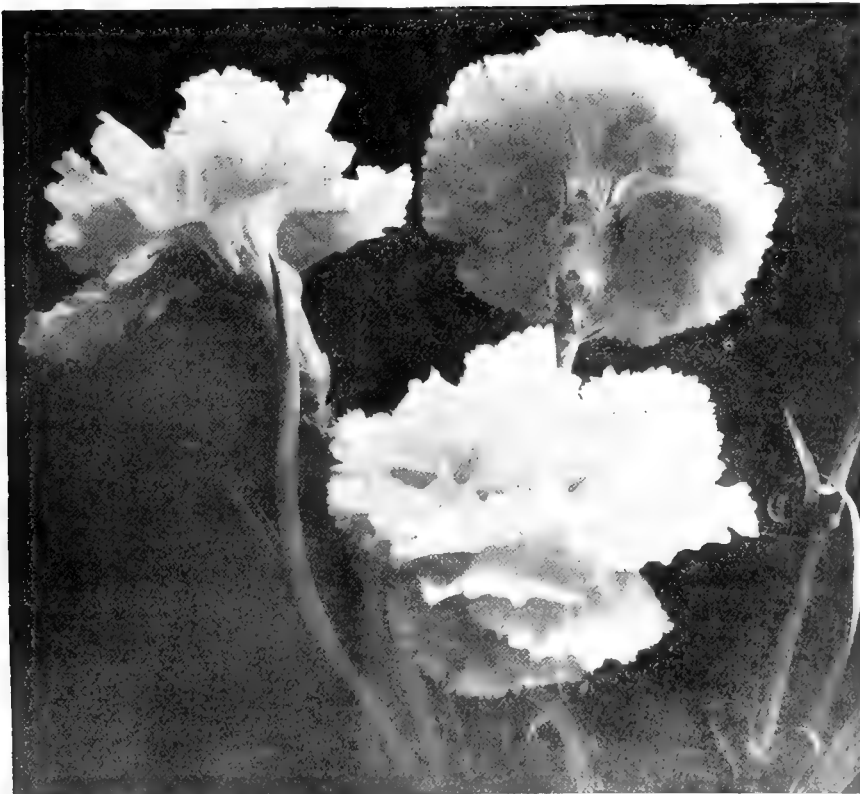
Mary Tolman should sell well for its color alone if for no other reason. It is a light pink with plenty of life and a favorite in the retail trade.

Conquest may be termed a fancy, somewhat after the style of the old favorite *Prosperity*, but having a pink background instead of white. It is very attractive and it is hoped that this sort will fill the place left vacant by *Prosperity*.

Scarlet Glow will be remembered by those visiting the carnation convention in Indianapolis last season, as it was shown in excellent form and also gave a good impression to those seeing it growing at Lafayette.

Shasta has many good points, one of the strongest being keeping qualities. The color is clear and always true, form is good and in general it seems to be a good sort.

An item of considerable importance as regards the value of any of these varieties is keeping qualities. This must be considered, as it is becoming of more vital importance each season. We must have sorts with good habit of growth, freedom and several other qualifications, but the keeping qualities are too often considered of little importance. This will not do, as it is largely because of this quality that the carnation is such a strong favorite among flower buyers and it is every carnation grower's interest to do everything possible to increase this popularity.



ALMA WARD

New Everblooming Crimson Rambler Rose
FLOWER OF FAIRFIELD

Flowers in June and continues constantly in bloom until frost;
identical in appearance with the old Crimson Rambler.

Orders booked now for immediate or Spring import.

Strong field-grown plants, \$35.00 per 100; \$320.00 per
1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.
Seedsman and Nurserymen
6 and 7 South Market St., Boston, Mass.

BEGONIA GLOIRE DE LORRAINE

The Finest Stock Ever Seen in Boston

Awarded Silver Medal

of the Massachusetts Horticultural Society three weeks ago

**See Them or Write for Prices
Before Buying Elsewhere**

R. & J. FARQUHAR & CO.
6 and 7 South Market St., Boston, Mass.
Greenhouses: Poplar St., Roslindale, Mass.

PHILADELPHIA NOTES.

James Mapes, the Rustic Work and Natural Foliage expert at Clayton, N. J., is having an excellent demand at present for window boxes, laurel and pine branches, and other materials for rustic effects.

Berger Bros. are exhibiting a new pink rose from Stockton & Howe, Princeton, N. J., said to be larger and finer than Bridesmaid. Our opinion and further particulars will be forthcoming soon.

Leo Niessen Co.—especially the junior member of the firm, Arthur Niessen—are keen admirers of John Cook of Baltimore, and look with especial interest on his latest new rose, "Radiance," which they think is bound to create a great sensation in the near future.

Edwin Lonsdale reports from Lompoc, Cal.: "All well and family settled on the Burpee Seed Farm December 1st." Some views and reviews from his experience there we hope to publish as soon as space permits. Mrs. Lonsdale's health has already improved wonderfully in the glorious climate.

We regret to report that our veteran horticulturist, W. K. Harris, has not grown any stronger during the past month or two. His old friend, Robert Craig, was over to see him last Sunday (December 5) and found him cheerful of spirit and as indomitable as ever; but very weak and wasted physically. Many other friends, the leading horticultural lights of our community, are frequent and anxious visitors these days.

The Michell Purity Aster which we illustrate herewith has attracted considerable attention in the wholesale flower markets during the past season. We understand that the Michell Co. are to introduce it in 1910. It is especially desirable for cutting on account of long, strong stems and branching habit. The flowers are of excellent form and texture and snow white. We are informed that for freedom of bloom there are few strains on the market today that can approach this.

"Ha! Ha! Mr. Rice, I fool you once! I open your book at the right page. So send along that clothes brush to yours truly.—Kansas." "My dear Mr. Rice: I found the page all right. It's at ——. I need that clothes brush;



also a wash boiler. Ship same at once to yours truly, —, Buffalo." These are samples of some of the entertaining replies received by M. Rice & Co.



MICHELL PURITY ASTER

to their "follow up letter" for their new catalog. We may mention that the brush is a good one, and that this office had no difficulty in finding the page and the phrase.

Godfrey Aschmann remains a hardy perennial in our midst. He can show his guests around and talk to them as his advertisements entertainingly indicate. "Great statesmen may die; great financiers may die; even Godfrey Aschmann may die—but his plants live on forever!" That's one of Godfrey's own phrases—quoted with glee by one of Godfrey's rivals in the plant business of Philadelphia. So you see it's the City of Brotherly Love all right.

PERSONAL.

Christian Rosenquist, a florist and gardener, of Oakland, Cal., has been committed to the Stockton Asylum for the insane.

Charles W. Smith, for many years secretary of the Rhode Island Horticultural Society, is seriously ill at his home, 39 Angell street, Providence. While his advanced age is looked upon by his attending physician as unfavorable to his speedy recovery, hopes are entertained that he will be able to attend to his usual duties in a short time.

Visitors in New York: S. S. Pen-

nock and C. E. Meehan of Pennock-Meehan Co., Philadelphia; W. J. Palmer and Mrs. Palmer, Buffalo, N. Y.

Visitors in Boston: James Comont, representing Carter, Dunnett & Beale, London, Eng.; Robert Paterson, Port Jefferson, N. Y.; E. O. Orpet, South Lancaster, Mass.; Ed. Roehrs, Ruthersford, N. J.; A. Zirkman, representing M. Rice & Co., Philadelphia, Pa.; E. Andre, Trinidad, B. W. I.; E. J. Harmon, Portland, Me.

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Japanese Bamboo Canes



Illustration showing process of bleaching and straightening Horseshoe Brand Shimizu Bamboo Canes over fire.

Horseshoe Brand Bamboo Canes are known to be first class by all who have used them. They are well cured, well packed and of full length. We give below prices on the general line, for advance orders. It takes sometimes nearly five months to get them here via Suez and early orders are advised. Six and eight feet Hakone Stakes will arrive Feb.-Mar., 1910.

Hakone Stakes

Commonly Used by Growers in this Country for Supporting Various Plants.

4 ft. long	.....\$8.00	per bale of 2000
5 " "	.....9.00	" " " 2000
6 " "	.....10.00	" " " 2000
7 " "	.....14.00	" " " 2000
8 " "	.....20.00	" " " 2000
9 " "	.....25.00	" " " 2000
10 " "	.....30.00	" " " 2000

Western buyers please apply for quotations on the above f. o. b. their city. We can also have 8 ft., 9 ft. and 10 ft. packed 1000 in a bale.

Aokumazasa Bamboo

Very Thin and Strong—for Supporting Carnations, etc.

4 ft. long	.....\$8.00	per bale of 2000
5 " "	.....9.00	" " " 2000
6 " "	.....10.00	" " " 2000

Shimizu Bamboo

Bleached and Straightened Hakone Stock—Very fine grade for Supporting Chrysanthemums, etc.

4 ft. long	.....\$12.00	per bale of 2000
5 " "	.....20.00	" " " 2000
6 " "	.....25.00	" " " 2000
7 " "	.....35.00	" " " 2000
8 " "	.....50.00	" " " 2000
9 " "	.....60.00	" " " 2000
10 " "	.....70.00	" " " 2000

Yellow Bamboo Poles

Much Stronger Than Above.

15 ft. long	.....About 160 in a bale	\$100.00 per 1000
15 " "	...From 100 to 125 " " "	125.00 " 1000
15 " "	... " 50 " 75 " " "	200.00 " 1000

Green Colored Aokuma Bamboo

About 5 ft. long	.....\$12.00	per bale of 2000
" 4 " "	.....12.00	" " " 3000
" 3½ " "	.....11.00	" " " 3000
" 3 " "	.....10.00	" " " 3000
" 2 " "	.....10.00	" " " 4000
" 1½ " "	.....9.00	" " " 4000
" 1 " "	.....7.00	" " " 5000

Ralph M. Ward & Co.

Order Your Cold
Storage Lilies Now
For 1910 Delivery

12 West Broadway
NEW YORK CITY



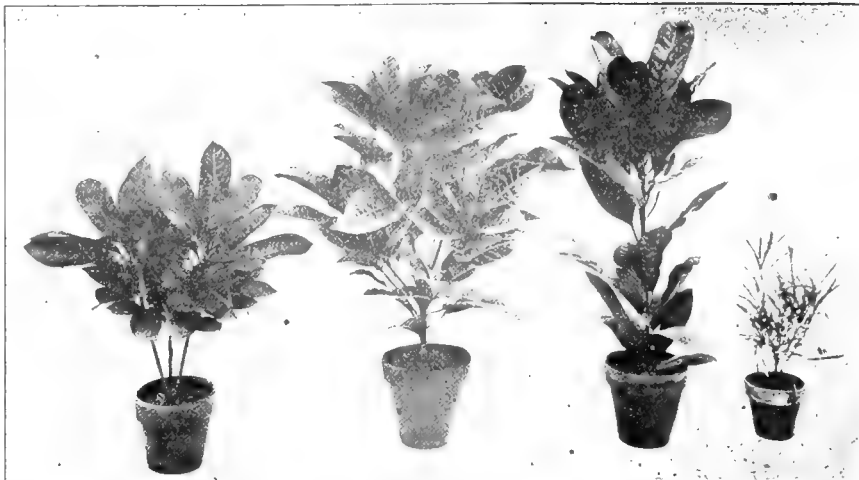
Some Holiday Essentials

The illustrations on this page were taken at the plant-growing establishment of the Robert Craig Company, Philadelphia. In addition to those shown here we have others which will appear later. The poinsettia, notwithstanding the avalanche of gaudy cloth imitations with which the country has been flooded for several years past, continues to hold its own as a Christmas favorite. One plausible reason for the acceptance of the artificial poinsettias for some purposes is found in the softness and proneness to wilt which the natural material has sometimes been guilty of. But this is not the fault of the plant but of the grower. Poinsettias are not the only subjects that have suffered severely in reputation because of indiscreet and unreasonable forcing. Craig's is one of the places where these unnatural methods are not employed, and if we had more Craigs we should see fewer artificial poinsettias. The picture shows the method of growing in pots for window decoration, and in low pans of small plants for use on the table. The other illustration gives some idea of the vast quantity handled by this establishment. The dwarfs in four-inch are very popular and house after house is devoted to this size. They are bought mainly for making up in basket and design work and anyone who knows anything of our ninety million country can imagine the immense demand.

There is a dwarf pot (or tall pan)—a compromise between a pot and a pan—for which we have not yet found an appropriate name—I suppose a "deep pan" would express the meaning—anyhow, these, filled in eight-inch with poinsettias surrounded by ferns or asparagus are fine specimens for window plants. The ten-inch flat pans have shorter plants, mixed with foliage, giving a broad or flat effect, such as is necessary for table decorations. Many houses are devoted to this size and an immense business is done in same.

Madame Pedrick Azalea, according to Mr. Craig, is far and away the best Christmas variety extant. This stands in the same class as *Vervaeana* does for Easter. Another favorite azalea for Christmas seen here in fine shape and in quantity is *Hexe*, a miniature or dwarf form, brilliant crimson which was popularized by Sander under the name of *Firefly*.

Crotons—or more properly *Codiaeums*—are the subject of the remaining illustration. These richly colored plants have long been a leading specialty with Mr. Craig, who has undoubtedly done more to popularize them than any other man in America. The first and third specimens shown are the new variety *Edwin Lonsdale*, one of the most beautiful, sturdy and free-growing varieties ever introduced. The second in the picture is *Fasciatus*, the best yellow foliaged sort, and the last is *Delicatissima*. We would refer our readers to the excellent article on the culture of *Codiaeums* by that expert grower, George F. Stewart, which appeared in our issue of November 27.



CROTONS (*CODIAEUMS*).



DIFFERENT FORMS OF POINSETTIAS.



HOUSE OF POINSETTIAS, AT CRAIG'S.

"CRAIG QUALITY" STANDS OUT EVERYWHERE.

Craig Specialties Christmas 1909

POINSETTIAS

Finest we have ever grown.
 3-inch pots.....\$12 per 100
 4-inch pots.....\$25 per 100
 5-inch pots.....\$35 per 100
 7-inch pans, 3 plants with ferns
 \$12 and \$15 per doz.
 8-inch pans, 3 plants with ferns
 \$18 per doz.
 9-inch pans, 3 plants with ferns
 \$24 per doz.
 8-inch low pans, 5 plants with
 ferns.....\$15 per doz.
 10-inch low pans, 6 plants with
 ferns.....\$24 per doz.

BEGONIA LORRAINE

Mostly of the improved, bright colored, long keeping Lonsdale pink; but also a good supply of Agatha, and other types.

3-inch pots \$20 per 100 (for basket work)
 3½-in. pots \$25 per 100 (for basket work)
 4-inch pots.....\$35 per 100
 5-inch pots.....\$6 per doz.
 6-inch pots.....\$9 and \$12 per doz.
 7-inch pots.....\$15 and \$18 per doz.
 8-inch pots.....\$24, \$30 and \$36 per doz.
 12-inch pans, specimens.....\$6 each

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Craig Giant Flowered

4-inch pots.....\$25 per 100
 5-inch pots.....\$6, \$9 and \$12 per doz.
 6-inch pots \$12, \$15, \$18 and \$24 per doz

BERRIED AUCUBAS

Fine plants, well berried, 7 and 8-inch pots.....at \$15 and \$18 per doz.

SOLANUM (JERUSALEM CHERRY).

Well berried, 6-inch pots, at \$6 and \$7.50 per doz.

ASPARAGUS PLUMOSUS

2½-inch pots....\$4 per 100, \$35 per 1000

AZALEAS

One full house of that sterling variety Madame Patrick; also a large quantity of Hecce, Vervaeana, Pauline Mardner, etc.

5½-inch, 6-inch and 7-inch pots at \$9, \$12, \$15 and \$18 per doz.
 Larger plants..at \$2, \$2.50 and \$3 each.

OTAHEITE ORANGES

Plants with from 3 to 12 fruits at 25c. per fruit.

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The best of all house plants.
 6-in. pots, 22 to 24 in. high..\$24 per doz.
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If a thousand perfect Cyclamen plants in full bloom were spread out in front of you at Christmas — splendid! Two thousand — my goodness! Five thousand — Gosh! But twelve thousand — three houses full of them — Words fail! They are here. Come on up and feast your eyes.

Same with Poinsettias, Lorraines, Azaleas, Berried Plants, and all Xmas Staples.

Houses and houses of them.

"Greetings and Welcome you'll find here before you,

And the oftener you come the more we'll adore you."

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Finest collections of Crotons in America; exceptionally well colored.
 4-inch pots.....\$25 per 100
 5-inch pots.....\$50 and \$75 per 100
 6-inch pots.....\$9, \$12, \$15 & \$18 per doz.
 7-inch pots.....\$2 and \$2.50 each
 8-inch pots.....\$3 and \$4 each
 Made up plants..\$5, \$6, \$7.50 & \$10 each

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8-inch pots, strong..\$12 & \$15 per doz.
 9-inch Azalea pots, very handsome plants.....\$21 per doz.

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The best of the upright growing Ferns.
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 Larger plants at \$12, \$15 and \$30 per doz.

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 8-inch pans.....\$12 per doz.
 10-inch pans.....\$18 and \$24 per doz.

NEPHROLEPIS BOSTONIENSIS

8-inch pots.....\$12 per doz.
 10-inch pans.....\$18 and \$24 per doz.
 11-inch tubs.....\$3.50 and \$4 each

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Best of all Dracaenas for the house.
 6-inch pots, well colored, \$15 and \$18 per doz.

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6-in. pots, strong plants, \$6 & \$9 per doz.

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4-in. and 5-in. pots, at \$6 & \$9 per doz.

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5-inch pots.....\$6 and \$7.50 per doz.
 6-in. pots, very heavy, \$15 & \$18 per doz.
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Well colored; for basket work, 2½ inch pots.....\$25 per 100

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3½ to 4½ feet high, well shaped, in tubs..at \$3.50, \$4 and \$4.50 each

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Most satisfactory plant; It is as durable as a Kentia and as graceful as a Cocos. 4½-inch pots..\$9 & \$12 per doz.

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IMPROVED ELEGANTISSIMA. The finest of all this type. It was introduced by us in 1905. This form of *Elegantissima* has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4 in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

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A select list of 30 extra good sorts, very heavy supply.

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Jack Rose, Virginia A. Maule and many of the free blooming kinds that pay. Very large clumps, critically grown.

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The cream of over 500 sorts. Every florist should grow a few; they add variety and pay well.

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1200 sorts—greatest collection worldwide. La France (Lem.), M. M. Cahusac, Baroness Schroeder, Milton Hill, P. Duchartre, La France (P. M.), Sara Bernhard, Marie Stuart, Dorchester, etc., in extra supply; strong plants.

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THE SENSATIONAL NOVELTY
Strong 2½ in. stock, \$25.00 per 100.

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BOSTON FERNS \$30.00 per 1000.

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PREPARE FOR CHRISTMAS



Headquarters for *Begonia Gloire de Lorraine*. In perfect blooming condition, 6 in. 50c, 75c, \$1.00; 7 in. \$1.25 to \$1.50. I have the deep pink and the light pink varieties. Ferns, *Scottii*, Boston, *Amerpohli*, *Whitmani* and *Todeaoides*, in 7 in. pots, 95c, \$1.00, \$1.25, \$1.50. Boston and *Todeaoides*, 5½ in. 35c and 40c. *Primula*, Chinese in bloom, best colors, J. F. Rupp strain, 5½ in. pots, \$2.50 to \$3.00 per doz. *Primula Kewensis* (yellow novelty, will bloom in Feb. and March) 4 in. 15c; 5½ in. 25c each. *Asparagus Plumosa Nana*, 2½ in. 3c; 4 in. 10c. *Sprengeri*, 3 in. 5c; 4 in. 10c. *Kentia Forsteriana*, big stock, 35 to 50 in. high, \$1.50, \$2.00, \$3.00. Made up, 50 in. big, \$4.00. *Kentia Belmoreana*, 4 in. 25c; 3 in. for fern dishes, 10c. *K. Forsteriana*, 4 in., 20 in. high, 20c. *Latania Borbonica*, 4 in. 20c. *Areca Lutescens*, 5½ in. made up, 35c to 40c. *Cocos Weddelliana*, 3 in. to 3½ in. 15c, 18c, 20c, 25c. *Begonia Gracilis*, deep red, and new Improved *Erfordii*, 5½ in. 25c. *Vernon*, 4 in. 10c. Ferns in 6 in. pans, made up of three plants such as *Pteris Victoriae* silver leaved fern, *P. Wiltoni*, *P. Winstedii*, 30c. These pans are very attractive and sell at sight. *Adiantum cuneatum*, 4 in. 10c. *Jerusalem Cherries*, full of berries, 6 in. pots 25c, 35c and 50c.

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Excelsa, 6 in. pots, 4 years old, 20 in., 25 in., 30 in., 35 in. high, \$1.00, \$1.25, \$1.50. *Excelsa glauca* (blue trees), 4 years old, 6 in., \$1.25, \$1.50, \$1.75. *Robusta compacta*, 4 to 5 years old, 6 in. pots, 3 to 4 tiers, \$1.25, \$1.50, \$1.75 to \$2.00 each. Ferns for Dishes. A good assortment 2½ in. pots, \$1.00 per 100. *Azalea Indica*, in bloom for Christmas. *Mad. Petrick* best early double pink, 75c, \$1.00, \$1.25 to \$1.50. *Deutsche Perle*, pure double white, and *Vervaekeana*, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Azaleas*, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots. *Cyclamen Grandiflorum* in bud and bloom, 4 in. 25c.

All Plants Travel at Purchasers' Risk Only. Cash with order please.

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NEW SEEDLING ROSE "RADIANCE"

A seedling from Cardinal, a brilliant rosy carmine with rich opaline tints in the open flower; the form is fine, large, with cupped petals; bud long, brilliant, radiant, with extra long stems; a constant bloomer, very fragrant, foliage abundant and of splendid substance.

2½ inch pots \$18 per 100, ready for delivery in March.

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DUTCH HYACINTHS A No. 1 Bulbs, Rose, Red, Dark Red, White, Pure White, Blue, Blush, White, Light Blue, Dark Blue, and Yellow; all single, \$1.50 per 100; \$10.00 per 1000.

CALLA LITHOICA. Bulbs 1 inch Diameter, Fine Healthy Bulbs, \$2.00 per 100; \$5.00 per 1000.

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Pyramids all sizes 30 inches to 9 feet. Dirt Cheap.	

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Beautiful Cyclamen, Begonia Gloire de Lorraine, Azaleas, Poinsettias and Filling Stock, a fine collection of FERNS, Bostons and Scotti, 6 inches to 12 inches. A grand assortment of 4-inch ferns for Hamper work. Table Ferns always on hand. A fine selection. **COME IN AND SEE US. Mail Orders Receive Special Attention.**

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\$12.00 per 100; \$100.00 per 1000.

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A Chance of Your Lifetime. Never to Return.

HYACINTHS, single in separate colors, per 1000, \$12.00.

HYACINTHS, to name, Gertrude, Giganthea, Moreno, Robert Steiger, Roi des Belges, Baron van Thuyll, pink and white, Grandeur a Merveille, Madame Van der Hoop, La Grandesse, L' Innocence, Paix de L' Europe, Grand Maure, Czar Peter, King of the Blues, Lord Derby, Queen of the Blues, Regulus. All Hyacinths are true to name and of fine quality, per 1000, \$22.00.

TULIPS, single and double in separate colors per 1000, \$4.00

Artus	\$6.00 per 1000
Belle Alliance	10.00 "
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CROCUS, striped, white and purple, \$1.50 per 1000.

A fine stock of **BOXWOOD**, in all sizes and shapes, specimen **EVERGREENS** Pot grown **DEUTZIA LEMOINEI**, and **LILACS**, now ready for delivery.

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FULL LINE OF PALMS AND FERNS

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¶ Once more I bring my specialties to your notice. They are rich and rare. Carry them in stock and you distinguish yourself. You attract the best trade. Your store attains a position that it can never get without these gems of the floral kingdom.

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Where is the lady who does not admire them?



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¶ In Holiday Stock I offer Cattleya, Cypripedium, Vallisneria, and Harrisonia, Odontoglossum, Vandas, Calanthes, Dendrobium, and Insigne, Phalaenopsis and Laelia. Gardenias, White and Yellow.

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¶ I handle more of this choice material than any other dealer in the country and am in a position to supply you regularly. Fresh shipments come in every hour of the day. Handling and packing are done in the most careful manner. Long distance is no drawback.

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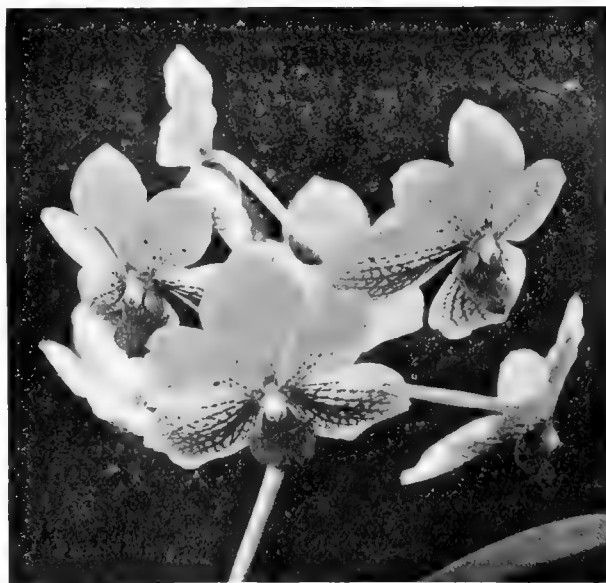
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Orchids for Any Purpose

From the tiniest little botanical orchids with flowers scarcely visible, to the large and Gorgeous Cattleyas.

We have just received the following freshly imported Orchids: *Cattleya Warnerii*, *C. Gigas*, *Hardyana* type and *Dendrobium Phalaenopsis Schroederianum*, all in fine shape. We also offer a lot of fine bulbs of *Calanthe Veitchii*, also materials such as Peat and Moss, Baskets, Books on Orchids, etc. Write for prices.

LAGER & HURRELL,

Summit, N. J.

SOME RESULTS OBTAINED BY GERMAN PLANT HYBRIDISTS.

In a lengthy interesting article from the pen of Walter Danhardt, published in a recent number of Moller's Deutsche Gardner-Zeitung, and in which the earlier dependence on English, American and French hybridists of roses, carnations, chrysanthemums, dahlias, and herbaceous perennials is freely acknowledged, attention is drawn to the great advances made by the Germans in various directions.

If German novelties in plants receive but scant notice in the gardening press of England and France, more particularly the latter, the reasons for their silence are not intentional, but are due to the lack of interest in the German's endeavors to work in this field; and of looking around. Among cultivated plants which mostly have been improved by German hybridists and cross-breeders, and outside the empire are greatly valued and admired are the English or Odier pelargoniums. Among professionals it is well-known that the name Burger is inseparably connected with these plants in their improved form; and it is likewise generally known wherein the improvements consist. He has after many years of effort succeeded in obtaining a new dwarf race, which produces 90 per cent of seedlings true to the type; that is, that the dwarf habit of the Burger race remains unaltered in almost every seedling; and in union with this is a great variety in coloring in the flowers, and other features. After innumerable crosses of florists' varieties and botanical species, Herr Burger succeeded in getting a dwarf, compact, bushy race of plants, which he re-crossed with such Odier varieties as Mabel, Mad. Thibault, and Perle von

Wien, which have no lilac tint in their flowers. From these crosses he got 20,000 seedlings in which scarcely two colors were alike, and the lilac tint was almost wholly obliterated. This amount of progress was frustrated by the crossing with the taller race, and the resulting seedlings grew higher again. This misfortune being at length got rid of, the colors had to be improved. There was a scarcity of the scarlet color; and in order to obtain this crossings with brick-red and scarlet-flowered zonals was undertaken—an uncommonly tiresome work. Burger was unsuccessful at the first in his efforts to obtain a zonal pelargonium as seed parent, a zonal being always used as the pollen parent and the zonal blood was predominant; moreover, the seedlings were mostly unfruitful, and for further work, useless. Attempts were then made by grafting the one on the other; but this sexual union was at the first not a success, but finally this disinclination was overcome by inarching, followed fortunately, by the formation of seeds, and the raiser obtained brick-red colored seedlings: as for example, Perle von Halberstadt, and the carmine-red Feurball, out of which sprang the pure scarlet-colored varieties. There was now a new feature to be gained, for the scarlet varieties had lost through the influence of the zonal blood the characteristic spot of the true Odier pelargoniums; and in order to replace it crosses with the spot-free scarlet, and the spotted violet-flowered varieties were made. These crosses had, however, not been successful, as the scarlet color was spoilt by the influence exerted by the lilac-colored varieties; and further crosses and re-crosses had to be made till this fault was at length obliterated, and brilliant colors with beautiful dark spots obtained. By the influence of the zonal blood in the Odier race of pelargoniums, growth and fo-

liage were improved. Growth was more luxuriant and vigorous, the foliage more sappy and of a darker tint, and above all, it withstood the attacks of greenfly, the chief plague of the English pelargonium. The raiser is still at work on the problem how to obtain varieties immune to the plant louse; and he is hopeful of obtaining by further crosses with zonal varieties. Chance has played a role in the development of the new English pelargoniums. He had crossed ten years ago varieties of *Pelargoniums peltatum* with his seedlings, but he had obtained no visible results thereby with *P. peltatum*; and yet the *P. peltatum* had imparted very valuable properties to the new race which had for several years remained in abeyance, and which in many cases were awakened all at once, viz., the capability to bloom more than once. The pretty variety Ballkonigen, is one of these and it shows distinctly its *P. peltatum* origin. This fact is a valuable lesson for all hybridists, viz.: that valuable features of the parent plants often appear after a numerous series of crosses. The varieties of Herr Burger's raising have all the properties of continuous flowering, are, indeed, "hybrid perpetuals"; and the plants bloom the more abundantly when they are not allowed to set their seeds.

It was once said that these new pelargoniums come true from seed. It may be stated that seedlings in general grow better and remain healthier than plants raised from cuttings. The seeds may be sown from July to September, and the seedlings by good treatment may be as good as cutting-raised plants, and make excellent ware for selling purposes. It is an unpleasant fact that the seeds vegetate irregularly; but this misfortune may be overcome in future.

The varieties Burger has been so fortunate as to raise from his numerous crosses, extending over a long series of years, are worthy of the attention of hybridists and gardeners in other countries, no other section of the pelargonium family possessing their good characteristics.

FREDERICK MOORE.

Bobbink & Atkins

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Rutherford, - N. J.

PYRAMID BOXWOOD

2½ ft....\$1.00 each	4½ ft....\$3.50 each
3 ft.... 2.00 each	5 ft.... 4.00 each
3½ ft.... 2.50 each	5½ ft.... 5.00 each
4 ft.... 3.00 each	6 ft.... 6.00 each

EVERGREENS

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases.

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes, and any quantity.

RHODODENDRONS

In all bright colors; fine forcing varieties; good value. \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.

PJT GROWN

	Per doz.	Per 100
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Deutzia Gracilis, pot grown	2.00	15.00
Double Flowering Cherry	15.00	
English Hawthorn, double scarlet	12.00	
Lilac Charles X. Marie Le Graye, extra size, for 8-9 inch pots.....	10.00	
Malus, Flowering Crab.....	12.00	
Prunus Triloba, Standard	15.00	
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Staphylea Colchica	9.00	
Viburnum Opulus	6.00	
Weigela Eva Rathke.....	12.00	
Wistaria, Blue	12.00	
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Aucuba Variegated, for window boxes, 12-15 inches	1.00	
Aucuba, fine plants, 18-24 inches	9.00	
Kalmia Latifolia.....	9.00	
Magnolia, pink	1.50 to 2.50	

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H. P. low budded, 2 yr., fine stock for forcing in pots; following varieties \$15.00 per 100, \$120.00 per 1000:

Gen. Jacqueminot, La France, Paolina, Ulrich Brunner, Baron Boustettin, Marie Bauman, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, Home Grown:		
2 yr. old; 2-3 in., well branched, own roots...	\$2.00	\$12.00
2 yr. old; 2-3 in., well branched, budded.....	2.00	12.00
3 yr. old; 3-4 in., well branched, own roots...	3.00	15.00
3 yr. old; 3-4 in., well branched, budded.....	3.00	15.00
Dorothy Perkins, strong, field grown	2.00	15.00
Baby Rambler, Half Standards, 30 in. high	9.00	
Lady Gay, 2 yr. old....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00
Anny Mueller, dormant plants, 2 yr. old (Pink Baby Rambler)		16.00

A visit to our Greenhouse and Nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists.

Ask for Wholesale Catalog.

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Rooted Cuttings Ready December 15th

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid. Increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following:

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Rooted Cuttings Ready January 1st

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Cottage Gardens Co., Inc., QUEENS, LONG ISLAND, N. Y.

A Few Left of the New Dawson Rambler Roses DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees and Shrubs and Hardy Herbaceous Perennials

EASTERN NURSERIES, JAMAICA PLAIN, MASS.

HENRY S. DAWSON, Manager

BETWEEN YOU AND ME, What do you think of the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

WANTED

CALCEOLARIA, in 3-4 in pots — price per 100.
KNIGHT & STRUCK, No 1 Madison Ave., New York

HARDY ROSES

For Forcing

Ready for Immediate Delivery

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the fall or late winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60 cents each, \$6.00 per dozen, \$45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45 cents each, \$4.50 per dozen, \$35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45 cents each, \$4.50 per dozen, \$35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive, 50 cents each, \$5.00 per dozen, \$40.00 per 100.

Hardy Perpetual Roses

We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75c. for 5 (of one variety), \$12.00 per 100, \$110.00 per 1000.

Alfred Colomb. Carmine.
Anne de Diesbach. Bright carmine.
Ball of Snow. Pure white.
Baron de Bonstetten. Dark crimson shaded.
Baroness Rothschild. Satiny pink; extra.
Captain Christy. Delicate flesh color.
Duke of Edinburgh. Bright vermillion; very fine.
Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKE. The finest white in existence.
General Jacqueminot. Rich velvety crimson.
General Washington. Beautiful red, shaded carmine.
John Hopper. Beautiful rose-pink.
La France. The finest light pink.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mme. Plantier. White.
Mrs. John Laing. Soft pink. Most desirable variety.
Paul Neyron. Beautiful dark pink.
Princess Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

American Grown. The Only Stock for Forcing
CRIMSON RAMBLER

Large heavy plants, two years old, mossed and packed in bundles of 10. 10 100
3 to 4 feet.....\$1.25 \$12.00
3 to 5 feet.....1.75 15.00
4 to 6 feet, extra strong and heavy.....2.25 20.00

DOROTHY PERKINS

Shell Pink. \$1.25 for 10, \$12.00 per 100. Extra strong, \$1.75 for 10, \$15.00 per 100.

Tausendschon

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

Tausendschon (standard grown). Each 50c., doz. \$5.00, 100 \$40.00.
HIAWATHA. The flowers are single and are of a deep, intense crimson shade with the petals shading to a pure white base. Flowers very freely and is undoubtedly one of the best of the single Roses for forcing. Extra strong, two-year, field-grown, \$3.25 for 10, \$30.00 per 100.

WEDDING BELLS. A seedling of the Crimson Rambler. The most floriferous Rose yet produced. The color is white with the upper part of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. \$2.25 for 10, \$15.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2.25 for 10, \$15.00 per 100.

Baby Rambler Roses

BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. \$1.75 for 10, \$16.00 per 100.

BABY RAMBLER

(Mme. Norbert Levavasseur)

Strong field-grown plants, \$1.75 for 10, \$15.00 per 100.

ARTHUR T. BODDINGTON,

SEEDSMAN,

342 West 14th Street,

NEW YORK

AMERICAN BREEDERS' ASSOCIATION.

The sixth annual meeting of the American Breeders' Association, in session this week at Omaha, Neb., has included in the papers to be read and discussed in the plant improvement department, the following: "Report of Committee on Breeding Roses" (Dr. W. Van Fleet, chairman); "Report of Committee on Plant and Animal Introduction," by Davis C. Fairchild, Washington, D. C.; "Some Problems in Plant Improvement," by Dean H. J. Webber, Ithaca, N. Y.; "Report of Committee on Breeding Cereal Crops," (Prof. C. A. Zavitz, chairman); "The Breeding of Barley," by Prof. J. H. Shepperd, Agricultural College, N. D., and Prof. Alvin Keyser, Fort Collins, Colo.; "Wheat Breeding," by Prof. H. F. Roberts, Manhattan, Kas.; "A Large and Small Grain Experiment," by Supt. L. R. Waldron, Dickinson, N. D.;

"The Breeding of Cotton," by Dr. D. N. Shoemaker; "Report of Committee on Breeding Tea, Coffee and Tropical Fruits," (Dr. O. F. Cook, chairman); "Report of Committee on Breeding Vegetables," (W. W. Tracy, chairman); "Report of Committee on Breeding Corn," (J. Dwight Funk, chairman); "Hybridization Methods in Corn Breeding," by Dr. Geo. H. Shull, Santa Rosa, Calif.; "Variability in the Maize Plant," by J. R. Stewart, Chicago; "The Breeding of Corn," by Prof. L. S. Klink, MacDonald College, Que.; "Report of Committee on Breeding Forage Crops," (Dean Thos. F. Hunt, chairman); "Report of Committee on Breeding Tree and Vine Fruits," (Prof. S. A. Beach, chairman); "Single Character Breeding in Grapes versus General Character or Tout Ensemble Breeding," by Prof. T. V. Munson, Denison, Tex.; "Progress in Breeding Hardy Fruits," by Prof. N. E. Hansen, Brookings, S. D.; "Report of Committee on Pedigreed Seed and Plant Business," (Eugene G. Funk, chairman); "Report of Committee on Breeding Fiber Crops," (Dean J. H. Shepperd, chair-

man); "Report of Committee on Breeding Sugar Crops," (Dr. C. O. Townsend, chairman); "Breeding Sugar Cane," by Prof. W. R. Dodson, Baton Rouge, La.; "Breeding the Sugar Maple," by W. A. Orton, Washington, D. C.; "Some Phases of Sorghum Breeding," by Dr. C. O. Townsend, Washington, D. C.; "Report of Committee on Breeding Tobacco," (A. D. Shamel chairman); "Report of Committee on Breeding Nut and Forest Trees," (Prof. Geo. B. Sudworth, chairman); "Proposals for a System of Tree Breeding," by Prof. Frederick E. Clements, Minneapolis, Minn.; "Walnut-Oak Hybrids," by Prof. Ernest Babcock; "Principles and Methods of Tree Seed Selection," by Raphael Zon, Washington, D. C.; "A Plan for Breeding and Use of Tree Crops," by Prof. J. Russell Smith, Philadelphia, Pa.; "Breeding to Improve Physical Qualities of Timber," by Prof. Geo. L. Clothier, Agricultural College, Miss.; "Report of Committee on Breeding Citrus Fruits," (Dr. W. T. Swingle, chairman); "Graft Hybrids," by Prof. C. C. Guthrie, University of Pittsburg.

Seed Trade

CROP ESTIMATES AND SHORT-AGES.

Since last Crop News was published in HORTICULTURE final estimates on the bean crop have been made. These range on the wax varieties from sixty to eighty per cent and on the green pods from twenty to seventy per cent. On Burpee's Bush Limas estimates range from sixty to ninety per cent.

Early varieties of sugar corn are a little short, but on late varieties estimates run close to one hundred per cent. It should be borne in mind however that corn has not yet been delivered, nor is it in condition to be delivered, and when the actual shipments are made there may be some shortages not now expected.

Garden beets with the exception of Crosby's Egyptian, Detroit Turnip and Edmand's Turnip will be delivered nearly or quite in full. Of the three varieties named deliveries will be short, ranging from forty to sixty per cent. The Yellow Mangels are all short; probably deliveries will not exceed fifty to sixty per cent. Many of the fancy varieties of pumpkins are reported a total failure and the same may be said of several varieties of muskmelons. While there are numerous other shortages these are the most conspicuous.

RELATIONS OF SUPPLY MEN AND CANNERS.

A meeting of the Board of Directors of the Machinery and Supply Men's Association, was held in Chicago on the 7th inst. and in addition to the usual routine, the question of an exhibit at the annual convention of the Canners at Atlantic City in February next, was discussed. In view of the fact that the convention at its annual meeting in Louisville voted unanimously to make no exhibits the coming year, the directors felt that notwithstanding certain members of the association desired to make an exhibit, they had no authority to veto the action of the Association and it may therefore be accepted as settled that there will be no exhibit at Atlantic City in February next.

The question of the relations between the Machinery & Supply Men's Association and the Canners' Association, was discussed and strong ground was taken against the assumption of the latter to dictate to the Supplies Association as to how their affairs were to be conducted at the annual convention, and especially with the

practice which has grown up during the last few years of charging the Machinery and Supply Men an entrance fee to view their own exhibits, which fee went into the treasury of the Canners' Association. It may not be advisable to state in detail all that was said but it is earnestly hoped by the members of the Machinery and Supplies Association that the canners will take a reasonable view of the relations which should exist between them, and recognize that they are an independent and important organization representing a greater capitalization by far than the Canners' Association, and entitled to something more than being the tail of the Canners' kite. Unless the latter are prepared to make this concession and agree to a reasonable recognition of the Machinery and Supply Men, they are very likely to hold independent conventions after 1910. In this connection it may be entirely proper to say that the date of the next annual convention will be February 6th to 11th, 1910, at Atlantic City as already stated. The headquarters to be The Rudolph.

It is practically the unanimous sentiment among both machinery men and the majority of the canners, that the attendance at the forthcoming convention will be much smaller than usual as the exhibits of the machinery and supply men are recognized by all as having been powerful drawing cards. A small body among the leading canners have antagonized the Association to a considerable extent, and it was for this reason that they voted at their last convention to make no exhibits the coming year. The result will be watched with keen interest by all interested parties.

DUTCH SEED TRADE.

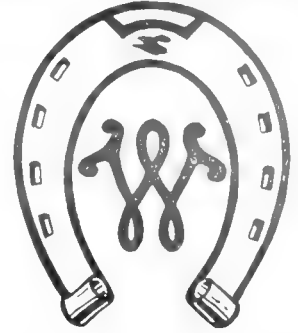
Renewed American Purchasing—Current Price Quotations.

Deputy Consul-General Ernest Volmer makes the following report from Rotterdam on the renewed activity in the seed trade of Holland:

The Netherlands is a country of intensive agriculture, usually with certain crops highly specialized in certain regions. Thus from The Hague to the Hook of Holland, in the so-called "Westerland," most of the country is devoted to fruit raising; in the Sassenheim-Hillegom region flower bulbs form the main agricultural product. Seed crops, however, are grown from one border of the country to the other, and they form an important item in the trade with the United States.

The total declared exports of seeds to the United States through the Rotterdam consulate-general during 1907 amounted to almost \$300,000, divided

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway. - - New York

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

Rhubarb Clumps Wanted

I want 5,000 Rhubarb roots at once. Communicate at once with

WARREN SHINN, Woodstown, N. J.

CABBAGE PARSLEY LETTUCE

Wakefield and Succession.
\$4.00 per 1000. \$8.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.

Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.

CASH WITH ORDER

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

High Grade Half-tone and Line Engraving



CUTS

IN THIS ISSUE MADE BY US.



HUB ENGRAVING CO.

173 Summer St., - Boston, Mass.

Burpee's

The Leading American Seed Catalog for 1910!

AN ELEGANT BOOK OF 178 PAGES,—it is "THE SILENT SALESMAN" of the World's Largest Mail Order Seed Trade. It tells the *plain truth* about the Best Seeds that can be grown,—as proved at our famous FORDHOOK FARMS,—the largest, most complete Trial Grounds in America. Hand-omely bound with covers lithographed in nine colors it shows, with the six colored plates. Nine Novelties and Specialties in unequaled Vegetables, and five of the finest Beautiful New Flowers, including two superb "Gold Medal" Spencer Sweet Peas.

With hundreds of illustrations from photographs and carefully written descriptions it is a SAFE GUIDE to success in the garden and should be consulted by every one who plants seeds, whether for pleasure or profit. While too costly a book to send unsolicited (except to our regular customers), we are pleased to mail it **FREE to every one** who *has a garden* and can appreciate **QUALITY IN SEEDS**. Shall we mail you a copy? If so, kindly name this paper and write **TO-DAY!**

W. ATLEE BURPEE & CO.
Burpee Building Philadelphia

 Our Blue List containing wholesale prices for Florists and Market Gardeners mailed free. Send for a copy.

as follows: Grass, \$147; caraway, \$63,052; linseed, \$168; nasturtium, \$767; rape, \$207,657; canary, \$406; flax, \$1,163; mustard, \$7,254; poppy, \$11,984; spinach, \$406. Taking into consideration large shipments through the Amsterdam consulate, the total seed exports to the United States in a good average year may be estimated at from \$450,000 to \$500,000.

The year 1908 showed a general decline in the volume of trade of many leading articles, and seeds, being to a certain extent luxuries showed a decreased exportation by some \$100,000, the exports via Rotterdam having dropped to \$192,406. With the general business revival during 1909, however, more seeds are again finding their way to America, the exports during the first two quarters of the year being as large as previously, with increased heavy shipments recently, since the harvesting of this season's crop.

There seems to be a slight upward trend in the prices of the seeds, which mainly interest the American buyers at present. In caraway seed there has been some heavy buying, owing, it is said, to the fact that orders booked for October delivery have proved hard to fill, as supplies are somewhat low. Stocks in brown and white mustard are also a little below normal, poppy seed seems very fine, rape seed is quiet. Prices quoted on October 20 in not less than ton lots, f. o. b. Rotterdam or Amsterdam per 112 pounds gross were: Caraway seed, 1909 crop, \$7; brown mustard, 1909 crop, \$8; white mustard, 1909, choice, \$4.75; 1909, 1st, \$4.62, 1909, 2d, \$3.88;

poppy seed, 1908, 1st, \$7; canary seed, \$2.68; rape seed, 1908, choice, \$4.18, 1909 broadleaf, \$3.75. At these prices seeds are guaranteed to be unmixed Dutch grown.

William A. Duncan, formerly a seedsman in St. Joseph, Mo., is in bankruptcy. Assets, \$5,700; liabilities, \$10,000.

INTERNATIONAL HORTICULTURAL EXHIBITION AT BRUSSELS, 1910.

In order to correct many erroneous views it is authoritatively stated that German horticulture will be represented, as well as German art, industries and manufacture. There will be no special gardens as is commonly inferred, but gardens will be laid out facing the halls and other buildings of the German section in which, according to the scheme of the Imperial Commissioners, as far as possible all branches of horticulture will be united in one harmonious whole. By this

ONION SEED

We are extensive growers of and dealers in choice varieties. Write for prices.

We are also submitting contract figures for the 1910 crop.

Schilder Bros., Chillicothe, Ohio

arrangement the various objects and their uses and employment will be shown in a practical manner and their value brought fully into notice. Custom charges and rent for sites in the open air are not to be taken into consideration; and rail charges in the German Empire will be reduced one-half, and no charge is made for transport on Belgian lines.

LILY OF VALLEY

PERFECTION PIPS

1000, \$14.00; case of 2000, \$26.00
Can be forced into flower January 1st.

SELECTED 3 YEAR OLD

1000, \$11.00; case of 2500, \$26.00

W. ELLIOTT & SONS,
42 Vesey Street . . . NEW YORK



HEADQUARTERS

Christmas Greens

Holly Wreaths. XX, \$10.50 per 100; Michell's Special, \$12.00; Michell's Extra Special, \$15.00 per 100.

Holly. The very choicest, well berried, will sell on sight. Single Case, 2' x 2' x 4' or 16 cubic feet, \$5.00; 5 Cases, \$22.50; 10 Cases, \$42.50.

Laurel Wreathing. Michell's extra heavy. 25 yards or over, 5c per yard; 100 yards or over 4½c yard; 1000 yards or over 4c yard.

Mistletoe. Well berried, perfect foliage. Case, 16 cubic feet, \$10.00; smaller cases at \$5.50 and \$3.00

Lycopodium, \$8.00 per 100 lbs. **Lyco. Wreathing**, \$6.50 per 100 yards. **Green Lump Moss**, per bbl., \$1.50. **Sheet Moss**, \$2.75 per bbl. sack. **Sphagnum**, bbl. bale, 75c.

CHRISTMAS GREENS, SEEDS, PLANTS, SUNDRIES

HENRY F. MICHELL CO.

Two Stores:
1018-518 MARKET STREET, PHILADELPHIA



LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS 79 and 81
FLOWER SEEDS Get Our Prices E. K'NZIE STREET. CHICAGO

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Liliun Longiflorum Giganteum C. S. by the case of 300.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

ESTABLISHED 1802

Thorburn's Seeds

Finest strain of Long Island grown
Early Jersey Wakefield Cabbage
and other high grade seeds for
Market Gardeners and Florists.
SEND FOR PRICES.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

WRITE
FOR
OUR
PRICES



BULBS
YOU
MAY
WANT

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 100 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANCEN, Seedsmn, HOBOKEN, N. J.

SEED for FLORISTS TRUE IRISH SHAMROCK

Trade Pkt.: \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

SPIRAEA

Japonica, Multiflora and Floribunda
GLADIOLI, THE BRID, JAPANESE
LILIES, LILY OF THE VALLEY

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

Cauliflowers CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

NEWS OF THE CLUBS AND SOCIETIES

THE AMERICAN ROSE SOCIETY.

The coming Rose Show is gaining attention in various ways. Mr. John Cook of Baltimore, Md., sends on a prize of \$15 for the best 50 My Maryland. Robt. Scott & Son, Sharon, Hill, Pa., say, "We would like to offer a prize of \$25 for the best vase of Mrs. Jardine." The Conard & Jones Company say: "We offer a prize of \$4 for the best pot-grown American Pillar, and also \$4 prize for the best six sprays of the new rose, American Pillar." Henry A. Dreer of Philadelphia, \$5 for the best six plants in bloom of Harry Kirk and \$3 for the second prize for the same. Peter Henderson & Co., New York City, for the best vase of roses, not less than 25 nor more than 50 blooms, one or more varieties, arranged for effect, accessories in other flowers, foliage and also ribbons permitted; exhibitors may supply their own vase for this prize; first prize, \$15, second \$10. The Dingee Conard Co., for the best pot-grown new rose, "Charles Dingee," first prize \$4, second \$2. For the best blooms of "Charles Dingee," first prize \$4 and second prize \$2. His Honor, Mayor Breitmeyer of Detroit, offers a prize of \$100 for exhibit of pot-grown roses.

The Horticultural Society of New York under whose auspices this show is to be held in the American Museum of Natural History, 77th St. and Central Park West, are desirous of having an exhibit commensurate with the splendid quarters offered to the rosarians of America for their display in the greatest flower-consuming city in the world.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the club was held at Gude's Hall on Tuesday evening last. The principal business was winding up the loose threads of the late flower show. Certificates of merit were awarded Wm. R. Smith of Botanic Garden, Wm. Byrnes of Department of Agriculture, R. Vincent Jr. and Sons of White Marsh, Md., Messrs. Dudley of Parkersburg, W. Va. and Mrs. L. Z. Leiter of Washington, D. C. A vote of thanks was tendered Wm. F. Gude for refreshments.

A committee composed of Wm. F. Gude, Geo. Cooke and E. C. Mayberry was appointed and later reported the following resolutions on the death of Geo. Hayes Brown, Supt. U. S. Propagating Gardens and Public Parks and Buildings:

Resolved, Whereas this organization has lost by death of G. H. Brown an honorary member, one whose fellowship was uplifting and ennobling;

And whereas The community at large loses the services of one who combined in himself the qualities of a valuable public servant and devoted husband and father, and a generous public-spirited citizen;

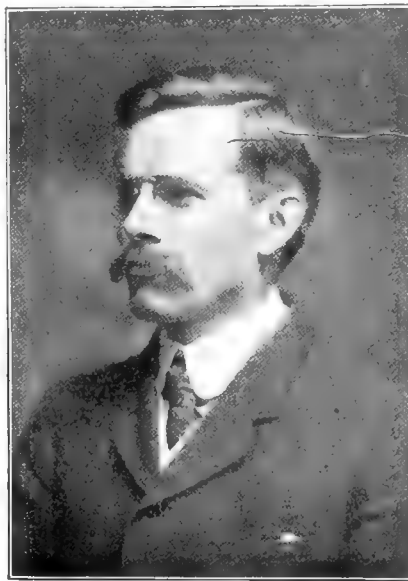
Therefore, be it resolved by the Florists' Club of Washington, D. C., that we record an expression of the keen sorrow felt by each member in this loss and extend to the family of our late member our deep sympathy in their bereavement.

Be it further resolved, that this resolution be spread upon the minutes and a copy forwarded to the family of the late George Brown.

WM. C. HALL.

The New Secretary of the Canadian Horticultural Association.

The gentleman whose portrait is here presented is a Montrealer, born and bred. His age is 38. He was brought up in a market garden, but in 1896 he built a small greenhouse and started growing plants for market—a line in which he had had little experience, but with hard work and regular perusal of the florist trade papers, he succeeded in working up a good business and in 1902 a partnership was formed with George A. Robinson under the firm name of Hall & Robinson. The business has been a



WILLIAM C. HALL.

success from the start, Mr. Robinson attending to the producing end and Mr. Hall the business management, and they have now 45,000 square feet of glass, growing a general line of stock for their store on St. Catherine street, West. Mr. Hall's selection for the position of secretary of the Horticultural Association, is universally approved.

AMERICAN CARNATION SOCIETY.

Carnation registered by Backer & Co., Billerica, Mass.

Red Prince. J. H. Manley × Queen. Scarlet. Size 3 to 3½ inches. Continuous bloomer and free. Does not burst calyx. Holds color in hot weather. Stems 24 to 30 inches from start.

A. F. J. BAUR, Sec.

CHRYSANthemum SOCIETY OF AMERICA.

Work of Committee.

Chicago, Ill.—Constellation Single, white. Exhibited by James Livingston, Lake Geneva, Wis. 80 points.

FLORISTS' CLUB OF PHILADELPHIA.

The topic of the day for the monthly meeting of the above club was ably handled by Chas. Henry Fox, and turned on the perennial subject of supply and demand in the cut-flower trade. All the orators, both growers and commission men, had something good to say, and ably held their ends up. Adolph Fahrenwald, Leo Niessen, Robt. Kift, Edward Reid, John McIntyre, Robert Craig, Joseph Heacock, Samuel S. Pennock and John Westcott were the principal speakers. Antoine Leuthy, Boston, was a visitor. A new carnation was exhibited by Henry Eichholz, a sport from Enchantress, named "Washington"—Lawson shade of pink; also a white chrysanthemum, a sport from Heien Frick. We understand the stock of the carnation has been sold to the Chicago Carnation Co. Edward A. Stroud's subject for January meeting will be "Establishing a retail trade in a growing community."

ELBERON HORTICULTURAL SOCIETY.

The society held a meeting on December 6, 1909. President Peter Murray was in the chair. It was decided to make a carnation night of the first meeting in January. A paper will be read on the "Culture of Carnations." The season's competition for points started at this meeting. The score was as follows: B. Duncan, 90 per cent for mushrooms; A. Bauer, 90 for Nephrolepis Amerpohli; P. Ewen 85, W. Seymour 80, W. Bryan 70, and B. Weycoff 65, for carnations; Grieb; 55 for lettuce.

ALEX. FLEMING,
Rec. Sec.

LENOX HORTICULTURAL SOCIETY.

At the annual meeting of the Lenox (Mass.) Horticultural Society on December 4, officers were elected as follows: President, George Foulsham of Highland; vice-president, George Breed of Naumkeag; treasurer, Walter Jack of Spring Lawn; secretary, George Instone of Allen Winden. The officers will be installed in January and President Foulsham will then announce his committees and the date for the ball which will take place in January.

N. Y. AND N. J. ASSOCIATION OF PLANT GROWERS.

At the annual meeting of this Association Dec. 7th, 1909, the following were elected:

President, Julius Roehrs, Jr.; Vice-pres. A. L. Miller; Secy., Wm. H. Siebrecht, Jr.; Treasurer, H. C. Steinhoff; Directors, Louis Dupuy, F. R. Pierson, J. Roehrs, Sr., and David McKenzie.

NETHERLANDS SOCIETY FOR BULB CULTURE, AT HAARLEM.

At the last meeting of the committee for tuberous plants, first class certificates were awarded to show dahlias Flora, Brigadier and Debutante; and an award of merit to show dahlia Snowstorm.

Holiday Flower Transfers

Orders entrusted to us will receive careful attention.

Deliveries Made in United States and Canada
and Principal Cities in Europe.

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We are prepared to deliver in good shape, flowers, plants, or made up work as ordered. Florists at a distance may transfer their orders by mail, telegram or 'phone to us with a certainty of prompt and careful attention.

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Cut Flowers and Design Work OF HIGHEST QUALITY

Delivered to Residences, Steamers, or Theatres in
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Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

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Carefully filled.

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Coates House Conservatory

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Both 'Phones 2670 Main.



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D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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96 Yonge St., - Toronto. Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

New York.—The Newman Floral
Company has vacated the flower store
recently opened at 10 East 45th St.

Boston.—C. S. Champney, who re-
cently opened a flower store in Post
Office Square, reports encouraging
support. The location is a new one
for the florist business and results will
be noted with interest.

Hartford, Conn.—The partnership
existing as Caverley & Risley, florists,
has been dissolved by mutual consent
and Mr. Risley retires from the firm.
The business will hereafter be con-
ducted by Caverley & Co. The firm
has been in business here for the past
eight months and has hothouses on
Annawan street.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Dec. 18

Atlantic Transport.

Mesaba, N. Y.-London.....Dec. 18

Cunard.

Ivernia, Boston-Liverpool....Dec. 14

Carmania, N. Y.-Liverpool...Dec. 15

French.

La Lorraine, N. Y.-Havre....Dec. 16

Hamburg-American.

Patricia, N. Y.-Hamburg.....Dec. 18

North German Lloyd.

Kr'n Cecille, N. Y.-Bremen...Dec. 14

Neckar, N. Y.-Bremen.....Dec. 16

Red Star.

Lapland, N. Y.-Antwerp....Dec. 14

White Star.

Celtic, N. Y.-Liverpool.....Dec. 18

Majestic, N. Y.-S'hampton...Dec. 15

Canopic, Boston-Mediterranean...Dec. 18

Cymric, Boston-Liverpool....Dec. 15

NEW FLOWER STORES.

Newton, Kans.—Elwood Kline.
Waterbury, Conn.—Alex. Dallas.
Toronto, Ont.—S. A. Frost, College
street.

New York City.—Sharkey, 36 East
28th street.

Beatrice, Neb.—Dole Floral Co.,
Ella street.

Elkhart, Ind.—W. H. Troyer, 525
So. Main street.

Peoria, Ill.—C. Loveridge, 127 So.
Jefferson street.

Freeport, Ill.—Fairview Flower Shop,
French Building.

Pawtucket, R. I.—Highland Floral
Co., 23 High street.

Chicago, Ill.—Geo. Henneman, Jr.,
2258 Lincoln avenue.

Moline, Ill.—Peterson & Eckstam
Bros., 540 Tenth avenue.

Crookston, Minn.—The Carnation
Store, Post Office building.

Duluth, Minn.—J. J. LeBorjous,
branch at 6 East Superior street.

James Mickeljohn, floral decorator,
formerly with the Hotel Knicker-
bocker, New York city, will take a
similar position at the new Café de la
Opera at Broadway and 41st street.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

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Our Motto—The Golden Rule

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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

**Choice Flowers and
Floral Emblems**
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

XMAS TREES

Red Cedar, shapely and close, from \$4.00 per doz. up.
 Green Moss. Thin and fresh, per bag 75c.
 Cedar and Laurel Wreathing. \$40.00 per 1,000 yds.
 Pine Branches. Filled with Cones, per bdl \$1.00.
 Laurel Pine and Cedar Branches, per bdl 50c.

CASH WITH ORDERS

Mapes' Rustic Works, CLAYTON, N. J.
 Bell 'Phone, 29 L

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsflor.

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
 Telephone, Main 3681.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
 124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
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Simple methods of correct accounting especially adapted for florists' use.

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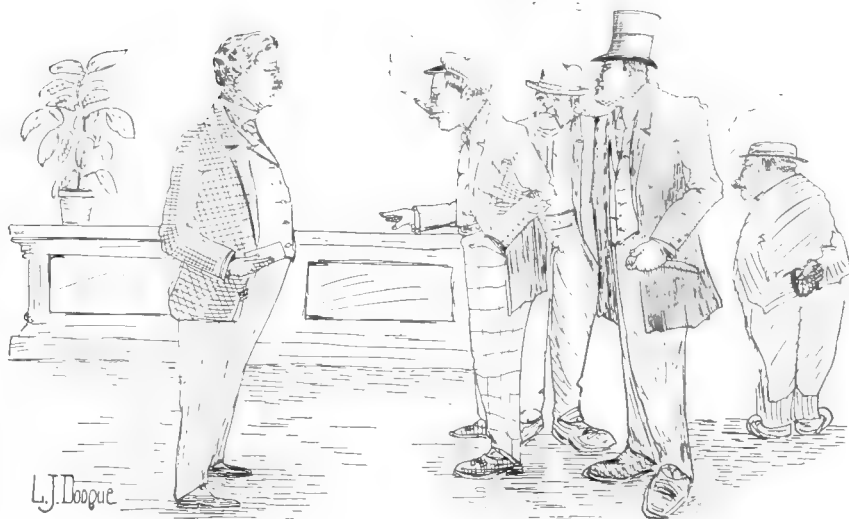
28 STATE STREET, - BOSTON
 Telephone, Main 58.

CHAS. EBLE
Florist

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

WHEN THE CHOWDER CLUB BUYS.



"We want the gates, with six birds on it. Our president is dead and we want something tidy to send him. See?"

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Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMullin, 194 Boylston St.
 Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
 Boston—Julius A. Zinn, 2 Beacon St.
 Boston—The Boston Cut Flower Co., 14 Bromfield St.
 Boston—Champney, Inc., Delta Building, Post Office Square.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—Hlauswirth, "The Florist," 232 Michigan Ave.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 1071 Broadway.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 Milwaukee, Wis.—C. C. Pollworth Co.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—M. A. Bowe, 1294 Broadway.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 New Orleans, La.—Chas. Eble, 121 Baronne St.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

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Orders for Flowers, Design Work and Plants Promptly and Carefully Filled.

CHAMPNEY, INC. DELTA BUILDING POST OFFICE SQ.

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 Tel. Wellesley 44-1 and 2. Night 44-3.

**EVER READY FLOWER POT —COVERS—**

The best and cheapest Pot Cover now on the market.

New Reduced Price List.

To fit	4 in. Pots	Per doz.	Per 100
"	"	\$1.00	\$7.00
"	"	1.10	8.00
"	"	1.20	9.00
"	"	1.35	10.00
"	"	1.60	12.00
"	"	1.85	14.00
"	"	2.10	16.00
"	"	2.35	18.00

Order now. Covers can be had in pink, green, white and red. Specify whether you wish Covers to fit standard, $\frac{3}{4}$ or $\frac{1}{2}$ size pots.

Only five cents in stamps sent will bring prompt response of a sample Cover by mail with all details of size and colors.

EVER READY FLOWER POT COVER CO.

W. H. GREYER, Manager.

146 Hughes Avenue, - BUFFALO, N. Y.

BRONZE GALAX

New crop ready, quality O. K.
 Size Medium.

PRICE, \$3.00 PER CASE.

Cash with order. Price less in large quantities. Try some of any stock this year and save yourself some money.

G. A. HOLDER, Round Peak, N. C.

GALAX, FERNS, LEUCOTHOE, Etc.

We are the largest dealers responsible, and quality guaranteed.

Gal x, green and brilliant bronze. \$4 per case of 10,000.
 Fancy and Dagg-r Ferns, large size \$3 50 per case of 5,000
 Leucothoe, green, large size, \$2 per 1000, any quantity; small size \$ 00 per 1000, any quantity.
 Beautiful bronze Leucothoe, \$3 per 1000, any quantity.

T. J. RAY & CO., Elk Park, N. C.

Galax and Leucothoe

Quality, Packing and Price All Right
 Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.

POEHLMANN BROS. COMPANY

33-35-37 Randolph Street, CHICAGO

When in doubt where to buy your Christmas Flowers TURN TO POEHLMANN'S
We undoubtedly have the best the market affords. Prices according to quality. Cheaper grade at correspondingly low prices. Like all others we are not infallible but as a rule we have what you ask for.

Backed up by the growing stock in our own greenhouses we are in a strong position to do as we agree.

Weekly price lists of cut flowers will be mailed to those desiring same. Have your name added to our mailing list.

Watch for our Advertisements!

Sometimes we have specials which are good value.

POEHLMANN BROS. CO.

We Please Others



No Order Too Large
No Order Too Small

We Can Please You



Send Us Your Orders

and you will be pleased with the QUALITY of our STOCK, our PRICES and the CAREFUL ATTENTION given your orders.

Anything and everything
in the line of cut flowers
in season

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty...

WHOLESALE
GROWER of CUT FLOWERS

CHICAGO NOTES.

Plants for Christmas.

It is a happy fact that azaleas are coming on much better for Christmas than was expected and will probably be in ample supply. The appearance of the plants when received gave the impression that there would be difficulty in getting them ready for the Holidays, but upon being put under mild heat the buds developed rapidly, so that there were many in for Thanksgiving and they will require very little, if any, forcing to get them in now. Poinsettias will also be plentiful and in good condition. Indications are that the supply will be 50 per cent in excess of last year, though, of course, demand is also increasing. Cyclamens will be in fair supply and in fine condition. Chicago growers are giving special attention to the best strains of this favorite plant so that what plants are in will have fine large blooms and of the best colors. Primula obconica will be in no excessive quantity. Begonia Gloire de Lorraine are not so much in evidence this year

as formerly and stock will be decidedly limited. Purchasers must order early. The berried plants will be in fair supply. There is a good stock of Christmas peppers of various sizes. Of Jerusalem cherries there are somewhat less. Ardesias and aucubas will be in limited supply, though probably enough for the local demand. Pandanus Veitchii is to be had in quantity, particularly in the small and medium sizes, 6-inch pot plants especially being heavy in supply. They are well colored and make very salable plants. Dracaena terminalis is in fair quantity and well colored. Dracaena Masangeana and Fragrans are to be had in abundance. The stock of green plants as Boston ferns, palms, araucarias, etc., is ample and in splendid condition.

A Useful Device.

The Geo. M. Garland Co. have disposed of their old foundry at Des Plaines, Ill., and have a new one well under way. The new structure is planned on the latest models and will have every convenience for manufacturing the well-known Garland gut-

ters. Arrangements are also completed for the manufacturing of their soil conveyor which will be put upon the market in the spring of 1910. This conveyor is a device of their own and makes simple and easy one of the hardest tasks in greenhouse work, that of carrying out and replacing the soil. With this conveyor three wheelbarrow loads can be handled at one time and dropped in place without employees being exposed to the heat under the glass for more than a few seconds at a time. The carrier is used only with houses built with the Garland truss, to which is attached arms bearing the ends of a steel bar, on which the carrier runs by means of ball-bearing wheels. These carriers are to be installed in a range of houses at Poehlmann Bros.' plant B.

City News.

Since Sunday this city is in the grasp of a genuine blizzard, bringing a fall in temperature and snow enough to make the florists happy who have so long looked for this event to make trade brisk. We have had the warm-

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. Laurel Festooning, 6 cents a yard. Boxwood Wreaths, \$6.00 to \$18.00 per dozen. Bush Laurel, 50c. Prince's Pine Festooning, \$6.00 per 100 yards, made all round. Leucothoe Sprays, \$7.50 per 1,000; \$1.00 per 100. Dagger and Fancy Ferns, \$1.25 per 1000. New Crop Galax, Bronze, \$1.50 per 1000. Green, \$1.00 per 1000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

A Full Line of Florists' Supplies. All Kinds of Insecticides.

Chrysanthemums and Carnations, in all Standard Varieties. Roses — Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

**Seasonable
Cut Flowers**

Lilies, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus, etc.

Henry M. Robinson Co., Boston, Mass.

[15 Province Street and 9th Chapman Place.

Telephones—Main 2617-2618. Fort Hill 25290.

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION.

est November in thirty-eight years and florists have reason to regard more seasonable weather as an advantage in their business.

A novel and appropriate setting for a game dinner was arranged at the Grand Pacific Hotel, Friday. Whole trees were cut from the forests and brought in with their branches intact. They were sawed down the middle and joined again over the pillars of the room, their branches spreading out overhead as in the natural forest. Above and in the branches were hung electric lights and the effect on the autumn foliage was beautiful.

An ordinance has been recommended to the city council for passage, turning over to the South Park Commission Michigan avenue between Jackson Boulevard and Randolph street for boulevarding purposes. Present traffic is to be allowed for five years.

Personal.

Frank A. Budlong of Chicago, and J. J. Budlong of Providence, R. I., are yachting and automobiling in Florida.

J. W. Starrett, with Benthley & Coatsworth, has invested in land near Tampa, Fla., and will raise oranges, grape fruit and vegetables.

New York.—The Fernwood Nurseries have supplied \$1000 worth of dwarf boxwood for the exterior decoration of the magnificent new Café de la Opera at the corner of Broadway and 41st street. The effect of the green against the light-colored stone and the arrangement on ledges, window balconies, etc., is very beautiful.

NEW ORLEANS NOTES.

The weather for the month of November was phenomenally fine, only two days rain marring a perfect month. Trade in the stores continues brisk and the volume of business done at Thanksgiving was a small advance on last year. More attention is being given to window displays and some pretty effects are noted. Chrysanthemums, except the late white Yanoma, are just about over for the season, which has been a very good one for them. Bride and Bridesmaid roses from the north are rather poor in quality, hardly so good as the local stock, while the color of Bridesmaid is away off. T. G. Owen, of Columbus, Miss., is sending some nice Kaiserins and Perles to this market.

J. A. Newsham has commenced the erection of a new orchid house 28x100. Cattleya Trianae are blooming nicely with him and he is contemplating another trip to Central America and Colombia.

Representatives from three New York seed houses called on the local trade this week and J. A. Peterson of Cincinnati, also had a drummer here handling Christmas specialties—Cyclamen, Lorraine Begonias, A. Farleyense and Dracaena terminalis. They all booked good orders.

With Poinsettias flaunting their gorgeous bracts in the open ground it is difficult to realize that Christmas is at hand, yet so it is and the stores are already dressing up. Trade continues good, cut flowers and flowering

plants selling well. The funeral of the foremost Jewish citizen and noted philanthropist, Isadore Newman, gave all the stores quite a lift. All of \$3000 was spent for designs, although the family made the request, "Kindly omit flowers." Carnations and roses from southern points are coming in nice shape now with the exception of Bridesmaid, which is washed out in color.

Sweet peas, Christmas and Mont Blanc are blooming in the open and sell well.

Abele Bros. have just completed a new house, 100x20 feet, for asparagus. This firm grows all the plants for the Steckler Seed Co.'s catalogue trade, and the amount of work and attention to detail this involves is enormous. It speaks well for their ability that seldom is a "kick" registered from a dissatisfied customer.

The sympathy of the trade goes out to Frank Faessel on the death of his mother, which occurred early Sunday morning.

Eau Claire, Wis.—Because the landscape gardener, employed by the county board to beautify the courthouse lawn, began his work by preparing to cut down about twenty-five trees, which belonged to the primeval forest, a public protest was filed with the board. This failed to stop the work and an injunction has been asked upon the grounds that cutting down magnificent shade trees is not "beautifying" the lawn, and a violation of the contract.

GET YOUR HOLIDAY FLOWERS

Holly, Greens and Florists' Supplies from
New England's Largest, Most Central and
Longest Established Wholesale Market.

Roses, Orchids, Gardenias

Carnations, Lily of the Valley, Violets, Poinsettias,
Lilies, Sweet Peas.

Everything Seasonable and Fancy in Cut Flower Stock,
the Product of the Best Growers in New England, the
Year Round.

PROMPTNESS, RELIABILITY AND REASONABLE PRICES

Send for Current Price List and Christmas Rate Sheet

Holly and Mistletoe Ready About December 15

PLACE YOUR ORDER NOW

'PHONES:
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226 Devonshire St.
BOSTON



Canton China Plant-Pot.



Canton China Hall-Seal or Plant-Pot Stand.

PLANT POTS

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potters' art, to our importations of English, French, German, Japanese, Chinese, India and Fitzhugh, also Domestic **Plant Pots** or **Jardinieres**, selected by our buyers at the places of production in the present season. More than one hundred to choose from, many of which have pedestals. Ranging from the low cost to the very very large and costly ones.

Also a large variety of **Garden, Hall and Piazza Seats**.

Our stock of **China and Glass** occupies ten floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

China, Glass and Lamp Merchants

33 Franklin, Corner Hawley Streets, BOSTON, Mass.

Near Summer and Washington Sts.

JEROME JONES, Pres.

S. P. STRATTON, Treas.

Everybody Knows **RAYNOR'S**

The longest established Wholesale Flower House

On Famous 28th Street

Selling Market for many of the largest, most successful and up-to-date growers in the New York district.

Choice Christmas Specialties

May be ordered here with certainty of getting what you order at right time, in right quality and at right prices.

All the Roses from Beauty and Maryland and the two Killarneys clear down the list. The most popular market Carnations.

Gardenias, Lily of the Valley, Cattleyas.

A Grand Crop of Superb Lilies, Large Heavy Textured Flowers.

Adiantum Croweanum, Exclusive Control of the Original Stock of this Best of all Ferns. Price \$1.25 per 100, Standard.

*Write for Quotations on Regular and
Holiday Shipments on Any Flower Wanted*

JOHN I. RAYNOR

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NEW YORK

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WHOLESALE COMMISSION

57 WEST 28TH STREET, NEW YORK

Telephone 2200-2201 Madison Square

Choice Cut Flowers

SUPERB STOCK OF

American Beauty, Bridesmaid, Bride, Richmond and the Killarney Roses,
Violets, Carnations, Valley, Orchids, Etc.

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons.

HOLLY

Single case, \$5.00. Two cases, \$9.00. Five or more cases, \$4.00 a case.

MISTLETOE

Extra fine berried. Very fine. Per lb., \$0.50; 10 lb. lots, \$0.35 per lb.

LAUREL WREATHS

12 in. Frames.....\$18.00 per 100.

HOLLY WREATHS

Per 100.....\$12.00 to \$15.00.

BOXWOOD. \$0.15 per lb. in case lots of 50 pounds. Each case contains full 50 lbs.; usually the case weight is included and you pay Boxwood value for old lumber. Watch out.

VELVET POINSETTIAS. We have secured the agency for New England for Anderson's Velvet Poinsettias. Price with leaves and long stems, \$2.50 per dozen. With short stem and no leaves, \$1.75 per dozen.

LAUREL ROPING, 5c per yard. **HARDY FERNS,** best quality ever offered. **GALAX,** \$7.50 per case of 10,000; per 1,000, \$1.00. **PRINCESS PINE,** 8c per lb. **PARTRIDGE BERRIES** and **GLOBES.** **CHRISTMAS BELLS.**

SEND FOR QUOTATIONS ON ANYTHING YOU NEED NOW OR FOR THE HOLIDAYS

N. F. McCarthy & Co.

Wholesale Florists

TEL. MAIN 5973 and 5974.

84 Hawley St., Boston

WALTER F. SHERIDAN

Wholesale Commission Dealer in

Cut Flowers

39 West 28th Street,

NEW YORK

HERE THEY ARE

Best in the Market for the Holidays

Large Stock of AMERICAN BEAUTY

Carnations, Violets, Gardenias, Orchids, Valley, Etc.]

FORD BROTHERS

Telephones, 3870-3871 Mad. Sq.

48 West 28 St., NEW YORK

PHILIP F. KESSLER

Wholesale Commission Florist

55 West 26th Street,

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NEW YORK

HOLIDAY SPECIALTIES

Late Chrysanthemums, white, pink and yellow; Fine Lilies; Poinsettias; Lily of the Valley and Choice Bulb Stock.

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55 & 57 West 26th Street, New York

SELECT ROSES

and all other choice flowers in full variety.

Michigan Red Berries for Christmas, any quantity. Prices on application.

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With the more favorable weather conditions, the quality has much improved. You will find here the choicest qualities of all the best varieties: Winsor, Enchantress, Afterglow, Winona, Beacon, Bassett, Victory, White Perfection, Etc.

Special, \$4.00 per 100
Fancies, 3.00 per 100
First, 2.00 per 100

GARDENIAS

\$4.00 and \$5.00 per dozen.

Business hours: 7 A. M. to 8 P. M.

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1209 Arch Street, - PHILADELPHIA, PA.

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Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

Easter Lilies

Choice Stock. \$1.50 per dozen.
\$10.00 per 100.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Dec. 7		Dec. 7		Dec. 7		Dec. 9	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 30.00	30.00	to 40.00	35.00	to 40.00	20.00	to 30.00
" Extra	15.00	to 18.00	20.00	to 30.00	25.00	to 30.00	15.00	to 18.00
" No. 1	12.00	to 15.00	15.00	to 20.00	12.00	to 18.00	6.00	to 8.00
" Lower grades	8.00	to 10.00	10.00	to 15.00	5.00	to 8.00	4.00	to 6.00
Bude, 'Maid, Chateaux, F. & S.	5.00	to 8.00	6.00	to 8.00	6.00	to 10.00	6.00	to 8.00
" Lower grades	4.00	to 5.00	4.00	to 5.00	1.00	to 4.00	1.00	to 4.00
Killarney, Fan, & Sp.	8.00	to 10.00	6.00	to 8.00	8.00	to 12.00	8.00	to 10.00
" Lower grades	6.00	to 8.00	4.00	to 6.00	3.00	to 5.00	1.00	to 6.00
Richmond, Fancy & Special	8.00	to 10.00	8.00	to 10.00	8.00	to 12.00	8.00	to 10.00
" Lower grades	6.00	to 8.00	5.00	to 8.00	3.00	to 5.00	1.00	to 6.00
My Maryland	.....	to	5.00	to 10.00	3.00	to 10.00	1.00	to 10.00
CARNATIONS, Nev. and Fan								
" Ordinary	3.00	to 4.00	4.00	to 5.00	2.50	to 4.00	2.50	to 3.00
	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	1.00	to 2.00
MISCELLANEOUS								
Chrysanthemums, fancy	10.00	to 15.00	15.00	to 25.00	12.00	to 20.00	10.00	to 12.00
" ordinary	4.00	to 6.00	10.00	to 20.00	5.00	to 8.00	4.00	to 8.00
Cattleyas	45.00	to 50.00	40.00	to 60.00	.....	to 75.00	35.00	to 50.00
Lilies	12.00	to 15.00	12.50	to 15.00	8.00	to 12.00	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets	.75	to 1.00	.75	to 1.00	.50	to 1.00	.50	to .75
Mignonette	.....	to .....	.....	to	3.00	to 5.00	1.00	to 2.00
Sweet Peas	.50	to 1.50	.....	to .....	.50	to 1.00	.....	to
Roman Hy. Paper Whites	2.00	to 3.00	2.50	to 4.00	2.00	to 4.00	2.00	to 3.00
Stevia	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias	25.00	to 35.00	25.00	to 35.00	30.00	to 50.00	25.00	to 35.00
Adiantum	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	.75	to 1.00
Smilax	10.00	to 12.00	12.00	to 15.00	12.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings (100)	30.00	to 50.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
" " & Spreu. (100 bchs.)	20.00	to 40.00	25.00	to 35.00	35.00	to 50.00	15.00	to 25.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.
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Send for New Catalogue

H. Bayersdorfer & Co.

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IF YOU

want to find a market for your product
want a regular or special supply of the
product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the
Wholesale Flower Trade

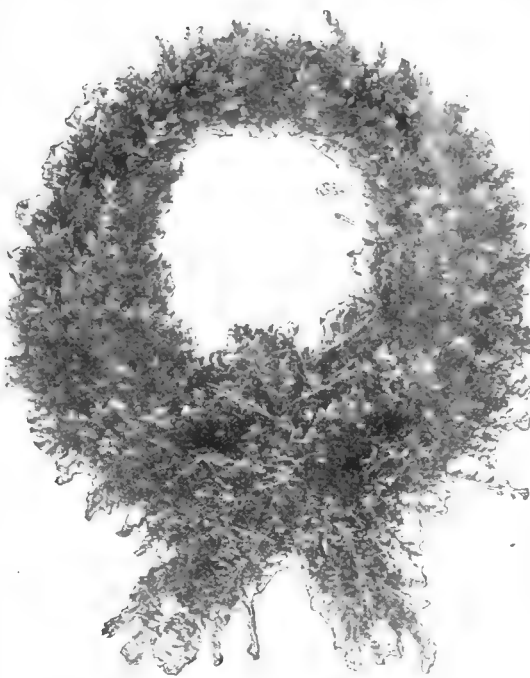
Flower Market Reports.

BOSTON The past week has not been satisfactory in all respects although it cannot be denied that the flower business has been remarkably good, exceeding in volume anything in the past for a corresponding date. The trouble has been simply overproduction. This market could not possibly consume to advantage and at standard prices the enormous product which has been let loose on it for the past two weeks. Reports from other centres show like conditions while the smaller communities which depend to a greater or less degree upon the supply from the large shipping centres are getting all they want from local sources, for the time being. The cause of all this is undoubtedly the remarkably genial weather which has brought along very rapidly many crops which ordinarily would not come in until the Holidays, when the increased demand would absorb them all right. The outcome of the present overabundance may make trouble later on if inclement weather should set in and thus bring about famine conditions at an inopportune time. But this is something nobody can foretell. It is well to add that the general quality of stock now in market is exceedingly fine and much credit is due the growers for the high degree of cultural skill displayed in all lines of greenhouse product.

CHICAGO The week succeeding Thanksgiving was very dull so far as local sales went. There was little doing of a social nature and Christmas shopping occupied the time of those who usually buy the flowers. The cold wave which reached here Sunday was no half-way affair and florists are likely to find out promptly just what effect it will have on trade. It is to be hoped their happy anticipations will all be realized. At any rate, if the weather continues cold it is more than likely that Christmas stock will be shortened. American Beauties have advanced in price 25 per cent already. Carnations more quickly cleaned up Monday morning and roses are not far in excess of demand. Christmas green is beginning to line the streets, and boxes of holly give the Christmas look to the florists' houses. So far the holly seems unusually full of berries.

DETROIT Some dealers have been kept hustling at a lively clip all through the week; the majority though suffered from the usual after-holiday effect. This year's Thanksgiving paralleled the experiences of former years; while there is an increased demand it does not justify either the saving up of stock or any increase in prices. The need to keep prices at a medium level is still more accentuated by the fact that this holiday is practically the closing day of the chrysanthemum season. Locally we were fortunate to be a little off crop in carnations, roses, etc., which enables us to keep them at a slightly higher figure than ordinarily. A few days last week being very warm supply was soaring up to the danger mark but now that a cold snap has struck us it will be used up in a manner satisfactory to all.

(Continued on page 861)



Christmas Greens

Holly

Best Delaware and Maryland Stock—every case guaranteed -- single case @ \$5.00; 5 cases @ \$4.50; 10 cases @ \$4.00.

Holly Wreaths

Made right—not the butcher-shop kind. \$15, \$18, \$20, \$25 per 100.

Lycopodium, Laurel, Mistletoe, Wild Smilax, Boxwood, Magnolia, Galax

and all other Xmas staples. Send for Price List.

Christmas Plants, Ribbons and Supplies

Holly Trees, Berried Aucubas, Azaleas, Evergreens, etc.
Holly flowered Ribbon, Red Baby Ribbon, Red Cords.
Immortelles, Crepe Paper and all the staple supplies.

SEND FOR CATALOG

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 7		Dec. 7		Dec. 7		Dec. 7	
ROSES								
Am. Beauty, Fan. and Sp.	4.00	to 35.00	30.00	to 35.00	35.00	to 40.00	.....	to 25.00
" Extra	.....	to	25.00	to 30.00	20.00	to 25.00	15.00	to 20.00
" No. 1	.....	to	15.00	to 20.00	12.00	to 20.00	0.00	to 10.00
" Lower grades	.....	to	4.00	to 12.00	5.00	to 8.00	3.00	to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00	to 8.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Low. gr.	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00
Killarney, Fan. & Sp.	4.00	to 10.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	3.00	to 6.00	4.00	to 6.00	4.00	to 8.00	2.00	to 4.00
Richmond, Fancy & Special	4.00	to 10.00	6.00	to 8.00	10.00	to 12.00	6.00	to 8.00
" Lower grades	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00	.....	to 4.00
My Maryland	6.00	to 10.00	4.00	to 6.00	5.00	to 10.00	4.00	to 8.00
CARNATIONS, Novelties and Fancy								
" Ordinary	3.00	to	3.00	to 5.00	3.50	to 4.00	2.00	to 3.00
"	2.00	to	2.00	to 3.00	2.00	to 3.00	.....	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy	2.00	to 3.00	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00
" Ordinary	.....	to	8.00	to 12.00	6.00	to 12.00	4.00	to 12.00
Cattleyas	.....	to .....	.....	to	75.00	to 100.00	50.00	to 60.00
Lilies	1.50	to 2.00	18.50	to 15.00	12.50	to 15.00	.....	to 18.00
Lily of the Valley	4.00	to	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.75	to .....	.50	to .75	.75	to 1.25	.....	to .75
Mignonette	.....	to .....	.....	to	4.00	to 5.00	.....	to
Sweet Peas	.....	to .....	.....	to .....	.75	to 1.00	.25	to .75
Roman Hy. Paper Whites	3.00	to	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Stevia	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adonis	1.00	to	1.00	to 1.50	.50	to 1.50	.75	to 1.50
Smilax	12.00	to 20.00	15.00	to .....	.....	to 15.00	12.50	to 15.00
Asparagus Plumosa, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Sprea. (100 bchs.)	2.00	to	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

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Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan****Wholesale Florist**

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Tel. 1462 Madison Square New York
1463**B. S. SLINN, JR.****VIOLETS**Selling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

FRANK MILLANG**Wholesale Florist**

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Shipments, any quantity, Whole-
sale Market Rates.**Greater New York
Florists' Association,**
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

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Telephone No. 756 New York
Madison Square**MILLANG BROS.****WHOLESALE FLORISTS**

41 West Twenty-Eighth Street

Phones 3860 Madison Sq. NEW YORK
3861**REED & KELLER**

122 West 26th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR****Wholesale Commission Florist****SELLING AGENT FOR
LARGEST CROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan*Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS**JAMES McMANUS, Telephone
769 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Dec. 4 1909		First Half of Week beginning Dec. 6 1909	
American Beauty, Fancy and Special.....	20.00	to 35.00	20.00	to 35.00
" " Extra.....	12.00	to 20.00	12.00	to 20.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 5.00
My Maryland.....	1.50	to 10.00	1.50	to 10.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 3.00
" " Ordinary.....	1.00	to 2.00	1.00	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
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CENTRALLY LOCATED, THE HUB OF THE
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55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
5893**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

BOXWOOD SPRAYS

Clean, Choice Stock, No Heavy Wood. Every case guaranteed. We ship everywhere. Let us quote you on your requirements, for shipment now or later.

Pittsburgh Cut Flower Co.,

222 Oliver Ave.,
PITTSBURGH, PA.

WHOLESALE FLORISTS

54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

88-40 BROADWAY, DETROIT, MICH.

DO NOT BE DECEIVED

by fake Green Thread. Demand the

MEYER GREEN SILKALINE

and you will get full length and quality combined.
For Sale by All Reliable Florists.

John C. Meyer & Co., Boston and
Lowell, Mass.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 859)

NEW YORK The flower trade has been most inspiring for the past few days, as a retail proposition. From the wholesale point of view the outlook is not so rosy. The fact is, that a tremendous business is being done in both plants and flowers and no fault can be found with the New York public—upper ten or lower ten. Business lags in the wholesale marts and markets, however, for it takes nothing less than a blizzard to shut off the tremendous tidal wave of material which rolls into the wholesale establishments here every day. The retail trade may be booming but no inroad that it can make will disturb to any extent the lethargy that annoys and irritates the wholesale dealer. The truth is that the growers are producing too much for the legitimate needs of the local market and history tells why the shipping trade of the largest flower market in the world is moribund. It is true that no city can digest a surplus in better fashion than New York can. It is also true that the best surplus digester that ever was found—a shipping trade—is “a dead one” long ago and there is nothing left except local trade. All kinds of flowers are abundant and quality was never better. Chrysanthemums are nearing their end but wherever one turns that old standby, Mrs.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 4 1909		First Half of Week beginning Dec. 6 1909	
Cattleyas.....	40.00	to 75.00	40.00	to 75.00
Lilies.....	6.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 5.00	2.00	to 5.00
Narcis. Pap. r White.....	1.50	to 2.00	1.50	to 2.00
Chrysanthemums.....	8.00	to 15.00	8.00	to 15.00
“ Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Violets.....	.40	to .75	.40	to 1.00
Sweet Peas (per 100 bchs).....	6.00	to 10.00	6.00	to 10.00
Gardenias.....	15.00	to 35.00	15.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	16.00	to 25.00	16.00	to 25.00
“ “ & Sprea. (100 bchs).....	20.00	to 25.00	20.00	to 25.00

Jerome Jones, is in evidence. Contemporary with Ivory this unrivalled standard chrysanthemum still holds its own. Is there any other variety except Mrs. Jerome Jones and Ivory left of the brilliant stars of 1892?

The first week of **PHILADELPHIA** December proved fairly normal as to demand, but there was far too much stock. The quoted figures were all light for early sales; but there was a big accumulation by end of the week, and the slaughter of the innocents, then, was frightful—bringing the average returns for the growers down to almost unbelievable figures. There was no special class suffering more than another—too much of everything all along the line. The plant market is brisk. Holly and other greens also in lively demand.

John Young, who has been identi-

fied for many years with the wholesale flower trade of New York City, has given up his store in 28th street to devote his entire attention to his extensive rose houses at Bedford, N. Y.

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOA SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

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Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprengeri, 2 1/2-in. pots, strong plants, \$2.00 per 100. Virginia Nursery Co., Purcellville, Va.

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Bamboo Sticks, Colored Green.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Rex Begonia, 2-in., strong, 3c. J. H. Dann & Son, Westfield, N. Y.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1123 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOOKS—Continued

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Manual.
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BOOKS—FREE

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Fernwood Nursery, Stamford, Conn.
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Boblink & Atkins, Rutherford, N. J.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.

Rickards Bros., 37 East 19th St., New York.
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H. F. Mitchell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
Bermuda Lilies.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs, Horseshoe Brand.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
French and Dutch Bulbs.
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H. E. Fiske Seed Co., Boston, Mass.
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Berrydale Experiment Gardens, Holland, Mich.
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E. S. Miller, Wading River, N. Y.
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F. W. O. Schmitz, Prince Bay, N. Y.
Hyacinths, Tulips, Crocus.
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CANNAS

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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Field Grown Plants.

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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.
Carnation Admiration.
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Wood Bros., Fishkill, N. Y.
Field Grown.
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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.
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Edward Wallis, Atco, N. J.
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Cottage Gardens Co., Queens, L. I., New York.
Carnations Alma Ward and Mrs. C. W. Ward.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS AND EASTER PLANTS

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Paul DeNave, Fall River, Mass.
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Welch Bros., Boston, Mass.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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CHRISTMAS SPECIALTIES FOR FLORISTS

M. Rice & Co., Philadelphia, Pa.
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CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANthemum STOCK PLANTS.
Mrs. Kalb, Timothy Eaton, Estelle, White Bonaffon, Alice Byron, Lynnwood Hall, Angele Laurent, Desjouis, Glory of Pacific, Mary Mann, Maud Dean, Pink Ivory, Rosette, Amorita, Major Bonaffon, Crema, Halliday, Yellow Jones, Golden Glow, Baby, 75 cents per doz.; \$5.00 per 100. Golden Eagle and Baby Margaret, \$2.00 per dozen; \$12.00 per 100. William Swayne, P. O. Box 215, Kennett Square, Pa.

CINNAMON VINES

CINNAMON VINES—Big stock, extra large bulbs. C. Betscher, Canal Dover, O.

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CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

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Eastern Nurseries, Jamaica Plain, Mass.

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COSMOS — Early Flowering

Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. II.

CYCLAMEN

Thomas Roland, Nahant, Mass.

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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on held clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Daisy Queen Alexandria, from 2½-in. pots, \$2.50 per 100. Cash. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.

Imported Plants for Fall Delivery.

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1012 W. Ontario St., Philadelphia, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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Anton Schulthels, College Point, N. Y.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magullica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street,

Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Farleyense.

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Fernwood Nursery, Stamford, Conn.

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F. W. O. Schmitz, Prince Bay, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERNS FOR DISHES

Ferns for Dishes in six varieties, good bushy plants, 2½ inch, \$3.50 per 100; \$5.00 per 1000. H. Hansen, 106 Avon St., Malden, Mass.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

The Caledonia Marl Co., Caledonia, N. Y.

Agricultural Lime.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Immortelle Letters.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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Mapes Rustic Works, Clayton, N. J.

Rustic Vines, Branches, Bark, Etc.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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The Peters & Reed Pottery Co., Red Pots, Seed Pans, etc.

Zanesville, O.

A. H. Hews & Co., Cambridge, Mass.

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Syracuse Pottery Co., Syracuse, N. Y.

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FLOWER POT COVER

Ever Ready Flower Pot Cover Co., Buffalo, N. Y.

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FREESIAs

Schlegel & Fottler, 26 & 27 So. Market St., Boston, Mass.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 65 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Bice Bros., 115 N. 6th St., Minneapolis, Minn.

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Galax and Leucothoe.

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G. A. Holder, Round Peak, N. C.

Bronz Galax.

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T. J. Ray & Co., Elk Park, N. C.

Galax, Ferns, Leucothoe, Etc.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$4.00 per 1000. Carl Dorabrer, 6417 Carnegie Ave., Cleveland, O.

Geraniums Ricard, S. A. Nutt, Buchner, from 2 and 2½ in. pots, extra fine lot of strong, cool-grown plants; \$2.25 per 100; \$20.00 per 1000; and mixed \$2.00 per 100, \$18.00 per 1000. J. R. Brooks, Oxford Depot, Orange Co., N. Y.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poltevine, \$15. A. M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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Arthur T. Boddington, New York, N. Y.

Forcing Gladioli.

J. L. Moore, Northboro, Mass.

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Surplus stock of choice named gladioli. Also bulbs and bulletins from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Bishop the Bird Man and Pioneer Gold Fish King, Baltimore, Md.

Gold Fish, Aquariums, Etc.

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pommert, Prop., Amelia, O. Largest gold fish hatchery in the world.

Gold Fish, Aquarium Plants; largest variety in the country. Send for price-list. Franklin Barrett, 4815 D St., Phila., Pa.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- A. T. Stearns Lumber Co., Neponset,
Boston.
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- King Construction Co., N. Tonawanda,
New York.
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- Hitchings & Co., 1170 Broadway, New York.
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- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
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- Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1239-63 Flushing Ave.,
Brooklyn, N. Y.
Daniel Hille Boston, Mass.
Greenhouse Construction Ventilating, Etc.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses, Lord & Burnham, 1133 Broadway, N. Y.
- Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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- Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

- Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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- Michigan Cut Flower Exchange,
38 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., 113 W. 28th St., New
York.
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- Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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- Pittsburg Cut Flower Co., Ltd.,
Pittsburg, Pa.
Boxwood Sprays.
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- Fancy Holly, short or long branches, \$3.00
case; Green Sheet Moss, \$1.25 bbl.; Laurel
for decorating \$2.50 case; Laurel for
roping \$1.00 bag. Cash with first order.
W. Z. Purnell, Snow Hill, Md.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Kroeschell Bros. Co., 468 Erie St., Chicago.
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HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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HOLLY

- Holly wreaths, Box holly, Holly wreaths
a specialty, in large and small quantities.
Selected box holly. Write for prices. H. E.
Conwell, Milton, Del.

HOSE

- Henry A. Dreer, Philadelphia, Pa.
Garden Hose.

HOT-BED SASH

- The A. T. Stearns Lumber Co., Neponset,
Mass.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS.

- Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.
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INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. H. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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- Stumpp & Walter Co., 50 Barclay St.,
New York.
Killed Tobacco Dust.
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- B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Tobacco Powder.
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IRIS

- J. A. Peterson, Cincinnati, Ohio.
Iris Paludis Dalmatica.
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- E. S. Miller, Wading River, N. Y.
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- IRIS The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
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KENTIAS

- Godfrey Aschmann,
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- A. Leuthy & Co., Roslindale, Mass.
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- Julius Roehrs Co., Rutherford, N. J.
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- Jon. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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- Bobblink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILIES

- E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY CLUMPS

- Skidelsky & Irwin Co., Philadelphia, Pa.
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LILY OF THE VALLEY PIPS

- Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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- Wm. Elliott & Sons, New York, N. Y.
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MADEIRA VINES

- MADEIRA VINES—Big stock, extra large
bulbs. C. Betscher, Canal Dover, O.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

- John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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- P. Ouwerkerk, 216 Jane St., Weehawken
Heights, N. J.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bobblink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS,
ELLWANGER & BARRY, Rochester, N. Y.
- ONION SETS**
- Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordenez Bros., Madison, N. J., Box 106.
C. Lablata; D. Biggibum Arrived.
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- Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
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PATENTS

- Siggers & Siggers, Washington, D. C.
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PEAT

- Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

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PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 28th St., Chicago, Ill.

Kroeschell Bros. Co., 468 Erie St., Chicago.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Barnham, 1133 Broadway, N. Y.

Buxton Doane Co., 18 Midway St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days at practically no cost. Formula and complete instructions on receipt of \$1.00. Barton, 110 Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 369-78 So. Erie St., Toledo, O.
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Henry A. Dreer, Philadelphia, Pa.
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POTASH

German Kali Works, New York, N. Y.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinesica.
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Primula chinensis, 9 colors mixed, 2 inch. 2c.; Obconica Rousderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2 1/2c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primula obconica, 4-inch, large plants, mixed colors, full of bud and bloom, \$5.00 per 100. Sinensis, 4-inch, mixed colors, double and single, fine stock, \$8.00 per 100. A bargain. Try Them. Alonzo J. Bryan, Washington, New Jersey.

RHODODENDRONS

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.
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Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Baby Rambler roses, strong, three-year-old, field-grown, own root, have been cut back and lifted and have become well established in 5-in. pots, at \$12.00 per 100. Virginia Nursery Co., Purcellville, Va.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

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Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

50 per cent less than manufacturing cost. Our specialty—100 assorted designs, \$10.00. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

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Circulation Dept.

Horticulture Publishing Co.

11 Hamilton Place, Boston, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 80 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

FOR SALE—Hinsdale, Ill., E. C. Crosby greenhouse plant, running order, 45,000 ft. of glass 20,000 carnations, etc., 10 acres, 1 house, 2 cottages, 3 barns, 2 cisterns and village water; value \$25,000, for \$16,000 if taken at once; might divide; 30 minutes from Chicago.

WASHINGTON NOTES.

After a much-needed rain, it has turned very cold and at the present writing high and severe winds prevail. There has been a very decided improvement in the tone of the market during the past week. Washington's social season is fully on and with the recent opening of Congress practically everyone is at his post.

There has been a very decided scarcity of red carnations and prices on them have gone up accordingly.

Begin Right

by sending your dollar
for HORTICULTURE for
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You will help us
and
We shall try to help you.

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Only \$1 for 52 Numbers.

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THE APPLE GROWING INDUSTRY.

Modern conditions and the increasing demands for clean fruit of color, size and flavor have made apple-growing a highly profitable industry in the Northwest, as it should be throughout New England, and there are many, including the foremost pomologists, who believe that in three years the products of the commercial orchards in Washington, Oregon, Idaho and Montana will exceed in value the total yields of the bonanza grain fields in these states. Indeed, the fruit areas are being extended so rapidly that computation of the probable crop in 1915 is bewildering because of its enormity; but there is room in the apple belts of the United States and Canada for armies of growers, opportunities to make millions of thousands of dollars, to establish pleasant homes, to develop horticulture and to have a part in the growth and progress of the country.

Probably it is in this that the National apple show, now an annual institution at Spokane, Wash., is of the greatest educational value to the grower and the prospective orchardist. The primary purpose of the exposition is an educational one, even though that object be lost sight of for the moment by the dazzled spectator at the monstrous piles of apples; but it is hazardous no guess to say that the grower has that primary purpose steadily in his mind as he compares and contrasts his fruit with the neighboring exhibits.

Lessons peculiarly of interest to the growers in America are taught in showing the possibilities of intensive cultivation, and this may be shared by orchardists in all parts of the continent and the world, for the reason that the Spokane exposition is neither insular nor sectional. People of every state, territory and province in America and every country in the world are interested in the supply of food, fruit and material for the manufacturing industries of every other district, and the value of the lessons in comparisons cannot be over-estimated.

The various methods of selection and pack can be balanced at an exhibition devoted exclusively to apples as at no other exposition. Whether complacently secure in the belief that his exhibit does not suffer from comparison or is suddenly upset in a cherished notion of cultivation or pack, the grower is there to study the methods of others. While this feature, in a measure, is attendant at the various state and county fairs, it is most peculiarly patent in the apple show. There is a good reason: It is not possible at an exposition of the products of any state to show why a certain fruit or other agricultural product of that district is better than its neighbor by the process of multiplication of exhibits. There is not the space, there are not the exhibitors in sufficient numbers and there is not the centralized motive.

No more convincing argument in behalf of the excellence of the products of apple orchards in the Northwest has yet been presented than that put forth by the handlers of fruit in the United States and Europe during and since the first apple show. They were quick to see the possibilities of high grade apples in eastern and foreign markets and they snapped up every offering of fruit at top prices. It is not out of

place to say there was a ready market for 5000 cars of northwestern apples over the output of the orchards this season. The crop is reduced in the Northwest this season, but the growers will receive more money for their apples than ever before in the history of the industry.

There were periods in the history of apple growing in America when the fruit was almost a drug on the market. That was before orchards became an established industry in the Northwest. Eastern farmers then did not have to grow apples; in fact; all they did was to pick them from the trees and dump them into barrels. Time worked changes, and the apples of Washington and Oregon gradually found their way eastward. They created a market for themselves, limited as it was, and the growers began to extend their orchards, and make a business of apple culture.

Conditions developed the fact that a much better apple could be grown by intelligent cultivation than by the haphazard method of letting the trees care for themselves. The products of the orchards of the Northwest were received with favor not only at home, but also abroad, and when the people found the better apple, they were no longer satisfied with the inferior fruit. They demanded the best, and, in many instances, the growers were not prepared to supply the new standard. They were not equal to the task of improving their orchards; they permitted their trees to run down, and, as a result the fruit became so unattractive that it could not be sold, and thus the position of supremacy gradually slipped away.

Apples were so plentiful and cheap in the New England and other eastern states, from 1895 to 1897 and in 1899 and 1900 that farmers with orchards would not invest money in what appeared to them to be an unprofitable crop, and they gave little or no attention to the gradually changing conditions. Those were the days when apples brought from 40 cents to a dollar a barrel. The higher figure was paid for fruit then graded as fancy. Then there was improvement in the appearance and texture of the fruit and the demand became stronger and soon there were no cheap apples. The crops of eastern orchards were not sufficient to supply the demand, and growers in the western states found it profitable to ship their apples thousands of miles to the markets once controlled almost exclusively by growers in the New England states.

There has been an awakening in the east, more especially throughout New England, and there are many who believe that the time is not far distant when the orchard districts in Massachusetts, Maine, Rhode Island, New Hampshire, Connecticut and Vermont will again become prominent factors in the industry. Eastern growers admit that their western brethren have outstripped them by the adoption of modern methods in cultivation and sending clean and attractive fruit, honestly packed and guaranteed as to condition and quality, to the markets, and they will profit by following the example in growing cleaner and better fruit and more of it. This is also true in other eastern, middlewestern and southern

states, where apple culture is being taken up as an industry. There is room enough for all. The apple market is world-wide and overproduction is out of question now and will be for generations to come.

AUGUST WOLF.

CONTROLLING THE SAN JOSE SCALE.

A Professor of Clark University (Worcester, Mass.), wrote to Professor H. A. Surface, State Zoologist of Pennsylvania, as follows:

"Will you kindly advise me whether the San Jose scale is being controlled in your State, and, if so, what remedies are being used to destroy it?"

The answer of Professor Surface was as follows:

"Replying to your recent letter asking if the San Jose scale is being controlled in this State, I beg to say that this depends upon the man behind the spray rod. We have many striking examples of men who are controlling it in an eminently satisfactory manner, as well as examples of persons who have not controlled it. It is true that where no spraying is being done for it, or where the wrong materials, such as the soluble oils, or too greatly diluted commercial preparations of any kind, are being used, or where the spraying is not done thoroughly, it is not being controlled. But this does not discourage our progressive fruit growers who know by experience that the San Jose scale problem in Pennsylvania is solved by the application of the boiled lime-sulphur wash, either home-boiled or in the form of the commercial preparation. The latter should not as a rule be diluted more than one to eight, instead of one to eleven as the manufacturers almost universally recommend. Our fruit growers have found this year, above all others, that absolute thoroughness is the keynote to success, and that not a spot or speck of the bark from the most remote twig to the base of the trunk must be left unsprayed.

"The fact that it is being controlled in an eminently successful manner is indicated by the very expensive planting that is now going on in all the fruit growing sections of this State. Our fruit growers are taking renewed courage, and there never has been a year when nursery stock has been so completely bought up, notwithstanding the unusually high prices, and when planting has been so extensively carried on as this fall, and for next spring it promises to be still greater. We are satisfied with results.

"If any prominent and intelligent person like yourself would doubt any of these statements in any regard, and will come into the State of Pennsylvania, I shall take him over the State and prove to him exactly what is herein said, and if I do not give him ample and sufficient proof of the full truth of these statements, I shall personally pay all the expenses of the inspection tour."

An article having recently appeared in a Harrisburg newspaper in regard to the remarkable apple crop which Mr. Gelwicks, of Franklin County, realized from an orchard which three years ago he had decided to abandon, on account of its unpromising condition, due to the ravages of San Jose scale, Professor Surface, whose name

was used in the article, has been the recipient of a number of letters inquiring as to the truth of the statements made. To each letter an affirmative answer was given. As the article is worthy of the widest publicity, it is given here in full:

"What is considered the most remarkable 1909 apple crop in Pennsylvania has just been sold at the orchard of C. C. Gelwicks, St. Thomas, York Township, Franklin County. Gelwicks raised 4500 bushels of apples on a 30-acre plot and sold them at the orchard for \$5000.

"Three years ago, Mr. Gelwicks was unable to get even ten cents a bushel for his apples and decided to chop down all of his trees and raise wheat and corn.

"The entire orchard in 1906 was affected with San Jose scale. The trees were withered looking and the apples very small and wormy. Economic Zoologist Surface heard of the decision of Gelwicks, visited the orchard and found it filled with trees about eleven years old. He advised the spraying of the trees with a boiled lime and sulphur solution.

"The trees were sprayed in 1907 and that year off of six acres he got 600 bushels of the finest kind of apples. Last year the crop was fine again, but this year, when all the neighboring orchards were bearing only a third to one-half a crop the trees were loaded down with apples, some of the limbs being pressed to the ground by the weight of the fruit.

"After spraying the trees none of them died and now all are in a most flourishing condition. The spraying has had a beneficial effect upon all of the orchards in the neighborhood, for all of the farmers, who formerly believed only peach trees could be helped by spraying, now know that the San Jose scale can be driven off of apple trees for good.

"It is necessary in spraying that the proper solutions be used. S. B. Rinehart, of Mercersburg, recently sprayed 22,000 trees in his orchards with an oil solution and practically every tree has been killed."

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The best of all
the tobacco
dusts for
**Dusting or
Fumigating**

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$2.00

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shall you buy? Buy the
spray pump that fully meets the
demands of the Government Agri-
cultural Scientists and all practical
Fruit Growers. These pumps are
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DEMING SPRAYERS
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Fruit," a useful guide book.

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San Jose Scale

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LAST YEAR we sold three large fruit-growers a barrel each (800 gal. of solution) for trial in comparison with other remedies on the market.

THIS YEAR we sold those 3 fruit-growers our spray equal to 30,000 gals. of solution.

RESULTS tell the story. Our sales this year are 10 times larger than last year.

WRITE NOW FOR OUR FREE BOOK

It gives scores of reports from users. Fruit growers who have been spraying for scale for 10 years advise that our spray is the only one with which they have been able to completely destroy the scale, and at half the cost of other sprays.

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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

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"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the trees. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Bloom Saver**

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Write to**

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OWENSBORO, KY.

**NICOTICIDE
BUG KILLER**

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

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Especially prepared for the soil. All ready to apply with drill or otherwise. It is fine, dry, pure, bulky, and cheap. Results guaranteed. Ask your fertilizer dealer or write
CALEDONIA MARL CO., Caledonia, N. Y.

FOR "POT LUCK" TRY US...

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POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

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NEWS NOTES.

Toledo, Ohio.—Charles A. Schramm, 1315 Cherry street, has taken his brother, Bernard G. Schramm, into partnership. The name of the firm will be Schramm Bros.

Owing to the spread of the gooseberry mildew in European countries, an enactment has been recently signed by Queen Wilhelmina and both ministers of agriculture, trade and commerce, and finance, forbidding the entry into the Netherlands or transportation through, of gooseberry, red and white currants, black currants and raspberry plants or parts of plants, from any other country; the same applying to all materials used in packing one or more of these bushes, or which have been so employed.

VALUABLE BOOKS

No one man can "know it all," no matter what line of business he may be engaged in. Oftentimes one point gleaned from some good book nets him many dollars over the price he paid for it.

The books in the following list are all good books for the lines they cover. You may reap a golden harvest from some of them.

The American Carnation. C. W. Ward. Price, \$3.50.
Chrysanthemum Manual. Smith. Price, 40 cents.
The Chrysanthemum. Herrington. Price, 50 cents.
Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.
Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.
Daffodils—Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.
The Art of Landscape Gardening. Humphrey Repton. Price, \$3.20.
Roses and How to Grow Them. By Many Experts. Price, \$1.21.
The New Encyclopedia of American Horticulture. L. H. Bailey. Four Volumes. Price, \$20.00.
How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.
How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

We can supply all of the above books postpaid at the prices listed. Any book, foreign or domestic, which treats of horticultural topics can be secured through this office.

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11 Hamilton Place, Boston, Mass.

SAVE

your weekly copies of this paper.

DON'T

throw them away.

The contents are always of **PERMANENT VALUE** and you may need them for reference tomorrow, a year from tomorrow, or still later.

GREENHOUSES BUILDING OR CONTEMPLATED.

Athens, Pa.—Fred. Tracy, one house.
Salem, O.—W. A. Cogill, five houses.
Marion, N. Y.—H. H. Roland, one house.

Morton, Ill.—Rudolph Oswald, one house.

St. Louis, Mo.—L. Geiger, Maryland avenue.

Milton, Ore.—James Wait, range of houses.

South Bend, Ind.—W. D. Rettig, violet house.

Peoria, Ill.—Cole Bros., range of rose houses.

Scituate, Mass.—Edward Jacobs, rhubarb house.

Baldwinsville, Mass.—G. Blodgett, house, 20x150.

Council Bluffs, Ia.—J. F. Wilcox, range of houses.

Springfield, Mass.—Mark Aitken, range of houses.

Elkhart, Ind.—Hugh Hills, carnation house, 25x80.

Sandusky, O.—J. P. Richardson, three houses, 20x90.

Freeport, Me.—G. E. Bartol, vegetable forcing house.

Jackson, La.—W. J. Brown, rose and chrysanthemum houses.

Brooklyn, N. Y.—A. L. Miller, cool house for bay trees, etc., 20x160.

Grand Rapids, Mich.—Wealthy Avenue Floral Co., house, 130 feet long.

Trenton, Mo.—Trenton Floral Co., three houses, each 27x100, conservatory, 20x20.

FIRE RECORD.

Rockport, Me.—Fire early Thursday, Dec. 2, destroyed the greenhouses of George Glarentzel. Total loss with no insurance.

Wakefield, Mass.—The conservatory at Shadow Farm, owned by Edward L. Welch, was damaged by fire to the extent of \$1,000 on Nov. 29.

Oconomowoc, Wis.—The greenhouses of the James H. Eckles' La Belle property were damaged by fire Nov. 30, the loss being \$3,000.

New Haven, Conn.—The apparatus used to heat the greenhouses of the Edward Malley estate on Derby Ave. became overheated and set fire to the wooden side of the house, Dec. 2. Damage \$500.

Newcastle, Ind.—Fire of uncertain origin destroyed a new barn owned by Peter Weiland, entailing a loss of about \$3,500, with insurance to the amount of \$1,800. In addition to the barn a horse, thirty tons of hay, over two hundred bushels of corn and other grain and farming implements were consumed.

PATENTS GRANTED.

941,448. Flower Pot Holder. Arthur Haglund, Lawrence, Kans.
941,644. Plant Pulling Implement. William H. Miller, Bridge-water, Va.
941,678. Cultivator. John Hobson, Jr., Wayne, Pa.

DREER'S Florist Specialties KEYSTONE CEDAR PLANT TUBS



	Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	85.00	
B 12 1/4 "	.75	8.25	99.00	
C 13 1/4 "	.85	9.35	112.00	
D 14 1/4 "	1.00	11.00	132.00	
E 15 "	1.25	13.75	165.00	
F 16 1/4 "	1.50	15.50	186.00	

Three largest sizes have handles.

Special **PAIL TUBS**.
8 inches, .30 3.50 28.00
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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 8 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 8 1/4 " " " 5.25	120 7 " " " 4.20
1500 9 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	
500 4 " " " 4.50	
450 4 1/2 " " " 5.24	
320 5 " " " 4.51	
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	Price per crate
	144 6 in. pots in crate \$3.16
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	48 9 in. pots in crate \$3.60
	48 10 " " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N.Y.** August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

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ALL THE STANDARD SIZES

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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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American Flower and Tree Tub.

No.	Top.	Deep.	Price.
1	13 1/2	12	\$1.00
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3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

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working o. k. I would not part with
it for twice the cost. Send me \$1.00
worth of charts for the same.

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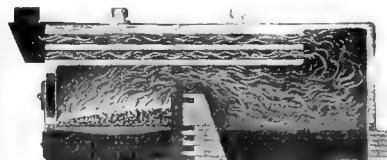
MERRY CHRISTMAS

Here we are again at Christmas and another year almost gone. It is time to be making plans for next season and taking thought as to how this year's work can be improved on in 1910. If you have greenhouses you are probably thinking of making an addition; if you are a retailer you expect to make your store nicer and neater than ever, possibly build a conservatory or a show house. If you have anything in the greenhouse line don't forget to consult us before you build and get our prices. We can interest you in our material if you only give us a chance. . . . This is our 41st successful year. We wish you all a Merry Xmas and much success for the New Year.

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MADE OF FIRE BOX FLANGE PLATE
Can not Crack

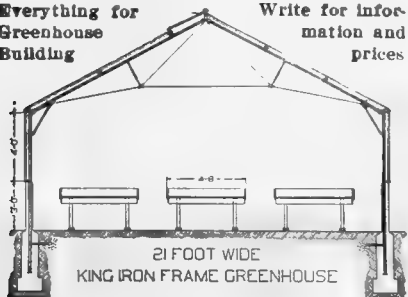
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In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

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VENTILATING MACHINERY.

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The FLORISTS' HALL ASSOCIATION
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is the machine that is superior
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It is the easiest operated.

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is no wearing out part in it, be-
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We have one price which we
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Pipe Hooks, Purlins, Ridge and Wall
Hooks of All Descriptions. Stock
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GLASS New American natural glass
made 8x10 and 10x12 B, sin-
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12x14 to 12x20, 14x16 to 14x24, B, double,
\$1.02 per box; 16x16 and 16x18, B, double,
\$2.08 per box; 12x24, B, double, \$2.08 per
box; 16x20, 16x22 and 16x24, B, double,
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PIPE Good serviceable second-hand with
each length, no junk—1 in., 3c.; 1½ in.,
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We build houses that fully meet all these requirements.

Here is one in the illustration. If you want some such thoroughly up-to-date, entirely reliable house, we shall be glad to send you illustrated matter or come and talk things over directly with you.

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A Feature Not Practical With Other Houses

Most greenhouses look quite alike, differing only in arrangement. To make them ornamental means adding shade-casting features, making the house too dark for practical growing. But the U-Bar being so much lighter than other construc-

tions, it can be handled ornamentally, as in the illustration and still be the lightest house built. Send for new catalog, showing other views of this same house.

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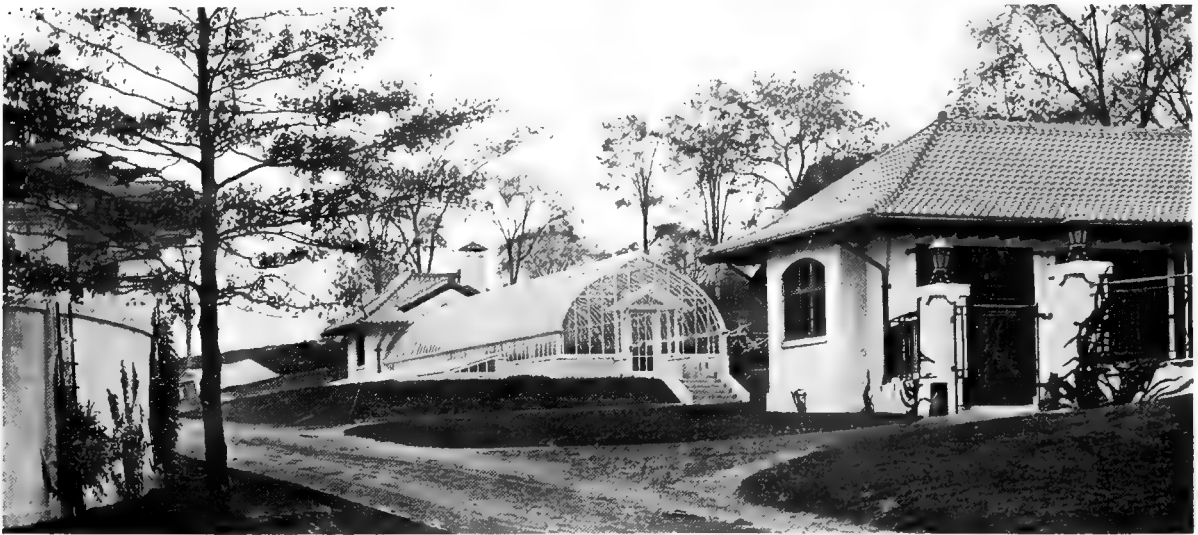
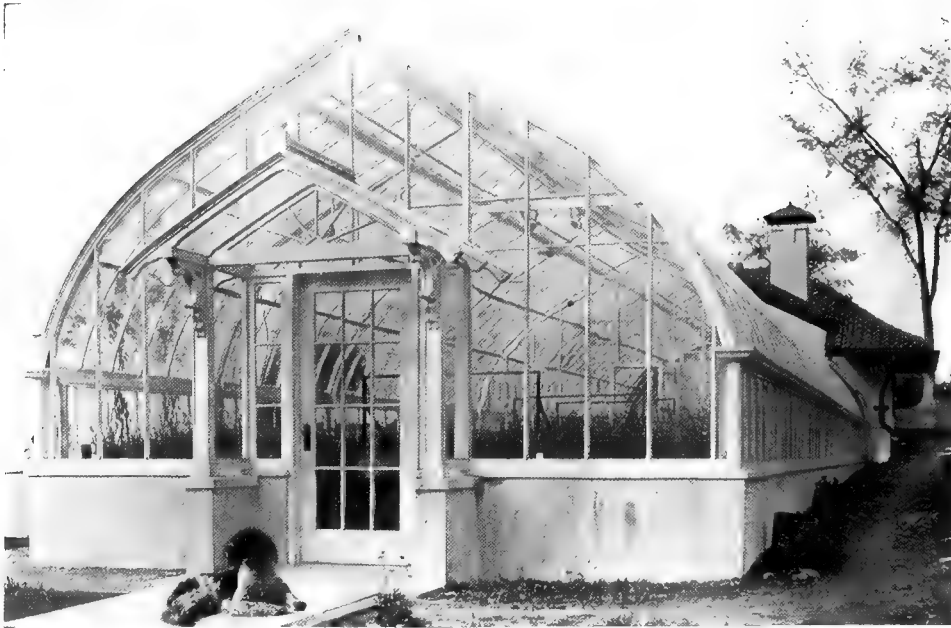
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Curvilinear House at Saugatuck, Conn.

IT is on the estate of Arnold Schlaet, where Patrick Anderson is the gardener.

As an example of harmony in design with surrounding buildings and adaptability to the grounds, it certainly is a gem. There is an ornamentalness and beauty in the curvilinear house built L. & B. way, that you cannot secure in any other house built any other way. In the language of the sailor, it looks "staunch and true."

This one is 50 feet long, 18 wide, with two compartments. The benches are all galvanized iron frames, with tile bottoms and slate sides.

Note the design of the gable entrance, how splendidly proportioned it is. The dog is a self-appointed guardian. Speaking of dogs, that reminds us, we are watching for your next order; hot on your trail in fact.

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HORTICULTURE

Vol. X.

DECEMBER 18, 1909

No. 25



ABRAHAM L. MILLER
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FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

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Notes from the Arnold Arboretum

Besides the Rhododendrons there are a number of other broad-leaved evergreens among the new Chinese introductions. Some have already been mentioned in previous issues as *Sarcococca*, *Sycopsis*, *Xylosma*, *Lonicera pileata*, *Clematis Armandi* and some evergreen species of *Viburnum*, *Cotoneaster* and *Rubus*, but there remain still a few not yet noted which may be briefly described here.

A very handsome evergreen shrub is *Berberis acuminata* with arching spiny branches bright red when young. The lanceolate leaves are spiny along the margin and from three to four inches long. The slender-stalked bronzy yellow flowers appear in clusters and are followed by ovoid bluish black fruits. A shrub similar in appearance and habit is *Berberis Gagnepainii* with slender spines about one and a half inch in length. The lanceolate leaves are from one to almost two inches long and spiny along the margin. The yellow flowers are borne on slender stalks in clusters of three to five and are followed by ovoid violet-purple berries. *Berberis Wallichiana*, though known to cultivation since a long time, may be mentioned here, since the plants raised from recently introduced Chinese seeds have proved much hardier than the Himalayan plant. It is a handsome shrub with oblong or lance-oblong leaves about two inches long and bright green on the upper and bluish white on the lower surface. The flowers appear in many-flowered clusters and are followed by ovoid bluish black berries. A very distinct and handsome species is *Berberis verruculosa* with yellow branches and spines which form a pleasing contrast with the glossy bright green foliage. The branches are rough with minute warts and the slender spines are about one half inch long. The oval leaves are from one half to three quarters of an inch long and have a few spiny teeth; on the upper surface they are bright glossy green and pale on the lower. The yellow flowers appear solitary or in few-flowered clusters on short stalks and the violet purple berries are ovoid. Only half evergreen is *Berberis Wilsonae* a low spiny shrub similar in habit to *B. Thunbergii*. The oblanceolate entire leaves are from one half to one inch long, dull green and strongly veined and assume late in autumn a brilliant scarlet color. The flowers appear in dense and short clusters along the branches and are followed by very ornamental coral-red globose berries.

A neat evergreen shrub of dense habit is *Ilex Pernyi* with short-stalked oval dark green leaves about one to one and a half inch in length and furnished with four spiny teeth. The small white axillary flowers are followed by red fruits about one third of an inch in diameter. *Ilex Fargesii* has lanceolate slender-stalked leaves finely toothed and from three to four inches long. The axillary fruits are red like in the preceding species.

A handsome evergreen Privet is *Ligustrum strongylophyllum* with dark green short-stalked leaves broadly oval and about one inch long. The small white flowers are disposed in loose terminal panicles from three to five inches long. Very variable in the shape of its foliage is *Ligustrum Henryi*; the leaves vary from broadly ovate or nearly round to ovate-lanceolate and from less than one half to one and a half inch in length. The flowers are borne in dense and short panicles.

The largest flowers of all the Jasmines in cultivation, has *Jasminum primulinum*; they measure one and a

half inch in diameter and are usually semi-double and of a rich yellow color. The leaves are trifoliate with the middle leaflet oblong in outline and one and a half inch long and the two lateral ones shorter and broader. *Jasminum floridum* has also trifoliate, but smaller leaves and much smaller flowers in loose terminal corymbs; it is known to cultivation since a long time from the Himalayas, but the recently introduced Chinese form is apparently hardier.

Stranvaesia undulata belong to genus little known in cultivation and allied to *Photinia*. It is a half-evergreen shrub with elliptic to oblong entire leaves from one and a half to three inches long and turning late in autumn to a brilliant scarlet. The small white flowers are disposed in terminal corymbs and followed by red fruits about one quarter of an inch in diameter.

Alfred Rehder.

Geranium Red Wing



The illustration shows a flower truss of this new zonal pelargonium raised by F. H. DeWitt & Co., of Wooster, Ohio. The variety is described as a strong grower and its introducers express the belief that with its splendid color it will divide honors with S. A. Nutt for first place among bedding geraniums.

Progress in Geraniums

While this great improvement alluded to in last issue has taken place with the double or more properly the semi-doubles,—which are the greatest favorites with the majority of the American people—the Singles, the favorites of Europe, especially England, have kept pace with them, so that the Single Geranium of today is a flower of marvelous beauty, such as a comparatively few people realize. Those who have not kept informed as to the newer introductions cannot form any conception of the grand colors and shades we have in this family, rivaling even the rose in beauty. In fact it would be almost impossible to compare a bed of Geraniums such as we had, say 20 years ago, with a bed of Paul Crampel, for instance—a perfect mass of most intense fiery scarlet, almost completely concealing the foliage with trusses of enormous size. Our Eugene Sue with its exquisite shade of russet orange is a color that carries extremely well, and so it is, on through an almost unlimited number of varieties, embracing all the colors, shades and combinations of colors that it is imaginable to find in the Geranium, and while the singles are not well suited for the market trade where they have to stand rough handling, yet where there is a home trade they will meet every requirement of the most critical, and for the conservatory a lasting effect can be produced with them not excelled by any other flowering plant.

As a few of the leading singles we might mention Pamela, one of Cannell's English round-flowered type, large pure white center shading through a maculated effect to a crimson lake border, an unusually strong grower for one of this race; Mrs. E. G. Hill, the standard rosy salmon among the single bedders; Nuit Poitevine a handsome dark rosy purple; Feuer, which comes to us from Germany very highly recommended as a candidate for first place among the dwarf scarlet bedders; The Sirdar, a beautiful shade of intense scarlet and a true representative of the large English round-flowered class, and so on through a bewildering collection of splendid sorts.

A comparatively new race of Geraniums is the Cyclope. They are especially suitable for fancy pot plants, being distinguished from the other double varieties by the particular shape of the flower. The petals, which are elegant and showy, leave the white center visible in a very marked manner; we now have several handsome varieties in this class. Jules Vasseur, semi-double bright cardinal red, upper petals shaded carmine purple with a white eye; Leon Baudrier carmine lake shaded cerise to a white center, and others all capable of passing the most critical judgment; the Single Cyclope are the most striking of all Geraniums with the clear white centers of the individual flowers giving the open truss the appearance of having a light center surrounded by a border of the color of the flower.

The Cactus-Flowering Geraniums are a very unique and striking beautiful distinct type originating in England about 1904. They have won a place of popular

form as a novelty for the conservatory and window boxes, for which they usually are pleasing and attractive on account of their admirable elegance of form and exquisitely graceful, narrow, curled and twisted petals similar to those of the finest grade of Cactus Dahlia.

With regard to the introductions of the last two years, we have refrained from saying much about them, confining ourselves as nearly as possible to those kinds which experience has taught us are useful and are already classed among those that measure up to the highest type of standard varieties or those which we are satisfied are capable of producing the most satisfactory results, and will be classed among the standards as soon as they become known to the geranium growers. Yet there are many among the novelties that are great advancements towards perfection and well worthy of a trial. Among them we would especially mention Edmond Blanc, Bouc. 1907, semi-double and one of the most exquisite striking shades of deep carmine with a violet tinge, that we have seen; Jamaïque, Lem. 1907, a grand variety, rich cherry red, enormous trusses and splendid habit; Suzanne Despres, Lem. 1907, large semi-double flowers of the delicate shade which can best be described as apple blossom white, each petal bordered rose; Jean Lamarque, Brt. 1908, an effective color of violet not very much in evidence among other standard sorts, stained with rose; Mauna Loa, Lem. 1907, bright orange red, a color not very much in evidence among our standard sorts; Genitrix, Brt. 1907, light turkey red, in speaking of which Mr. Bruant says: "We have a group of this variety in our experimental garden; it has shown itself to be remarkable for its uninterrupted blooming and its resistance to inclement weather." Jean de Vries, Brt. 1907, has very large semi-double flowers, velvety violet purple with the center splashed like a nasturtium. With these there are many others that will supersede some of the older varieties as soon as they are well disseminated.

Among the 1909 imported novelties will be found the most beautiful colors that can be imagined—magnificent splendid solid colors that fairly dazzle the eye; others are exquisite combinations that baffle successful description and must be seen to be appreciated. Most of them are strong robust growers with beautiful foliage and we are confident there are some among them that are destined to become leaders in their different classes.

Another new type described by Mr. Lemoine is Pelargonium Peltata Zonale, a cross between an Ivy and a Zonal and retaining all the best points of both parents, including the beautiful soft tinge of the Ivy and the hardy constitution of the Zonal. The flowers are semi-double and produced in fine trusses. Alliance is a beautiful representative of this type; it is an exquisite shade of pale lilac pink, the upper petals feathered and blotched rich crimson maroon. As a vase plant or for window boxes where they are exposed to the sun this type will be found superior to the Ivy Leaved kinds.

R. A. Vincent.

White Marsh, Md.

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More trouble for the seedsman

The seed trade appears to be threatened with another hardship, according to the report in our seed news column, which we sincerely hope will prove to have been incorrect. The insistence on first class postal rates on all sealed seed packets would certainly make a lot of trouble and expense, for a while

at least, until some ingenious inventor has solved the problem of a sealed, yet not sealed, packet.

A wasteful custom

Societies devoted to the protection of native plants are making a strong appeal on behalf of the Mountain Laurel (*Kalmia latifolia*) which is being used up in such quantities for garlanding at all seasons, but especially at the Christmas holidays, that it is becoming very scarce and almost extinct in many sections. It is much to be regretted that this beautiful native flowering shrub should be wantonly destroyed, especially as neither artistic taste nor any other purpose of real beauty are served by the present approved methods of festooning the exteriors and interiors of buildings with this laurel roping, so called. Bouquet green, lycopodium, ground pine or princess pine, as it is variously termed, has been mostly superseded by the laurel, however, in a large section of the country and, as to its use in bouquet making, that was abandoned by florists long ago. Let us hope that the same advance in good taste which has banished bouquet green from the florists' work room may yet bring forward some acceptable decorative material that will supersede the wasteful "roping" methods and so help to preserve our mountain laurels for more noble purposes.

The florists' duty

While feeling much in accord with the sentiments and aims of the organizations which are endeavoring to arouse public interest on behalf of the holly, laurel and other gems of the wildwood we fear their efforts will avail but little at the present time. Florists should really be their most active allies, and for the best of reasons. The florist business must depend for its development and success upon the general utilization, by the people, of the cultivated products of the florists' industry and skill rather than upon the use of material gathered in the wild or upon the trade in artificial manufactures or imitations of any kind. It is manifestly the florists' duty to himself and to the business he follows to place first and foremost the products of his craft before the public in such shape and manner as to develop a more general taste and appreciation for fresh flowers and plants and to discourage the use of substitutes in any place where natural twining vines or florists' products of any kind are practicable. Have we not already too many make-believe palms in hotels and other places of public resort; too many artificial cattleyas and violets on the ladies' muffs; too many gaudy cloth poinsettias in the windows? Florists follow the most elegant and beautiful avocation on the face of the earth; they should stand up for it in its purity and use every means at their command to educate the public to the idea that nothing in existence can ever take the place of a fresh flower or a growing plant with people of refinement.

DEATH OF WILLIAM K. HARRIS

Respected and beloved of his neighbors and the trade of the entire continent, Wm. K. Harris of Philadelphia, has entered into rest after a long period of suffering. Other pens have lovingly recorded on this page tributes to his memory that tell the story so much better than we are able to that we refrain from any extended obituary notes. Personally, we have lost a very dear friend and our heart is filled with emotion as we glance reminiscently of more than a quarter of a century back over a very intimate friendship with this genius and philosopher and feel honored that it has been our privilege to share

"That best portion of a good man's life, —his little, nameless, unremembered acts of kindness and of love."

Although a keen and shrewd business man, Mr. Harris never was known to intrude questions of trade or bargain into the social hours which he enjoyed so much in the company of his friends. His was a unique personality, a sunshiny temperament, a big, kindly heart, a well-spent life devoid of selfishness or guile. He was an honor to his profession.

Robert Craig's Story of Mr. Harris' Life.

Wm. Kennard Harris was born March 10th, 1838, in Philadelphia. He went to work at the age of ten years for Robert Dunk, who lived in the "Neck" in the southern part of Philadelphia, who was a grower of herbaceous plants and who had probably the best collection in the state at that time. He was also a raiser of small fruits and garden truck. Mr. Dunk was a basket-maker and taught the art to young Harris, who became very expert at the work and at about twenty-five years of age started in business on his own account. At the age of twenty-nine he gave up basket-making and started in the greenhouse business, buying out Wm. Hobson, who had three small greenhouses at 55th street and Darby road; the houses were in poor condition and Mr. Harris having little capital had a long struggle before he got the business in a prosperous condition, but it did finally grow so that Mr. Harris was able to start in a larger way at his present location, 55th street and Springfield avenue. He became one of the best commercial plant growers of Philadelphia and has been a noted specialist for the last thirty years.

He was one of the earliest to grow in quantity *Ficus elastica* and *Pandanus Veitchii*. He raised many new seedling chrysanthemums, introducing many standard sorts. He also introduced *Lilium Harrisii*. He was a great observer and quick to detect the merits of a new plant. No one grew zonal geraniums better than he did. About twenty-five years ago he grew by the houseful the then new varieties such as Madame Lemoine, Marie Lemoine, New Life, etc. He also raised many seedlings, one of the best of which was Bishop Wood. He was probably the foremost man in this country in growing the once famous tri-color geraniums, of which Madame Pollock was a good example.

As to his personal traits, he was noted for his strong common sense and good business qualities. His word "was as good as his bond," and he was withal kindly and considerate. He was a good bowler, a good shot and an all-round good fellow.

He died at 9.30 a. m. on the morning of December 13, in his rocking chair, passing away as one falling quietly into sleep.

ROBERT CRAIG.

John Burton's Reminiscences.

There are few of our readers who have not known or heard of Wm. K. Harris, and all who have known him will be grieved to hear of his death. We of Philadelphia do not yet know what we have lost. His great personality in his business and social life made its impression on all who met him.

It was the writer's good fortune for



WILLIAM K. HARRIS

a number of years to be one of his near friends. A week rarely passed that we did not meet once or twice and with other of his friends spend an hour or so in a social game of bowling, or talk over old times, or matters of interest to our local or national societies, often having supper together afterwards, when our discussions would be renewed, at times reaching the point of argument but always ending in good nature on William's part; for, while positive in his views, he was always ready to listen to the other fellow.

He would occasionally speak of his childhood and tell of his struggles as a youth. When ten years old he ran away from a brutal farmer and with one penny in his pocket, and twelve hours without eating, bought two small cakes, one of which he gave to another little fellow who seemed just as hungry as himself. This he afterwards considered the greatest act of generosity of his life. His generous actions did not stop with his childhood, but he never spoke of them.

Though without much early education, he read a great deal and had his favorite writers, one of whom was Goldsmith. I once heard him say, "I can understand and learn more from one page of Goldsmith than a whole chapter of Emerson," though he believed Emerson the greater writer.

Mr. Harris had been a sufferer for years with a chronic trouble, but he rarely complained and never when it might interfere with the pleasure of his friends. He was confined to his home for several months, but was unable to gain strength, slowly getting weaker. He said a few days before he died, "I am too tired, John." This was the last time I talked with him.

I thank my old friend for having added to my pleasure in life.

JOHN BURTON.

George C. Watson's Word.

William K. Harris belonged to an older generation than the writer. A respectful diffidence restrains any strong expression of opinion as to the place Mr. Harris will finally hold when the history of horticultural achievement for his generation comes to be finally written—that is, it does not seem modest or proper for a younger man like the writer to size up a man like Mr. Harris. That duty is left to abler pens and more matured judgment and experience. One thing may be said with propriety, however, he was a big man! Strong in personality, strong in will power, keen as a business man, far-seeing, saving, industrious. In his personal relations, simple and innocent as a child; kindly, charitable, impulsive, full of good humor and sociability. A close association extending over twenty years served only to deepen and accentuate the bonds of amity and admiration. This is a personal word and is given in all sincerity and with love and reverence to the memory of our dear friend, "The Deacon." We do not get many original and unique characters like him in a life time. He shed lustre on the horticultural profession in many ways, and we believe his name will be remembered in history.

GEORGE C. WATSON.

John Westcott's Tribute.

I have lost a dear, personal friend in the passing away of William K. Harris. I grieve not only for myself, but for the horticultural community of Philadelphia and the country at large. He gave us many good things in his time. He gave us *Lilium Harrisii*, he gave us Ivory chrysanthemum, he gave us Mrs. Wood geranium. He gave us branched rubbers and countless other good things; but to us who were closely associated with him he gave of himself—a pearl without price—the finest personality I think that I have ever had the fortune to meet during my life time. He was the truest, kindest, best of friends, and no one can ever tell my sense of personal loss—so I will not attempt to speak of it. It is certain that horticulture has lost one of its brightest stars in the passing away of William K. Harris.

JOHN WESTCOTT.

A Word from George Anderson.

To my mind one of the most marked features in the make-up of William K. Harris was his emulation of excellence. He was ambitious in everything he undertook. Another strong feature in his excellent record was his hard working, industrious methods. Away back in 1871, when I was with Robert Buist, I can remember that excellent judge of human character sizing W. K. Harris up as a man who was sure to make his mark. Time has borne out the truth of this prophecy. I knew Mr. Harris for nearly forty years and a better man as friend, neighbor, or fellow-workman I never knew. We will all miss him.

GEORGE ANDERSON.

From Hosea Waterer.

Mr. Wm. K. Harris was one of the best florists and men I ever met. I knew him for twenty-eight years and always found him the same. He will be much missed by all who knew him well.

HOSEA WATERER.

Resolutions by the Florists' Club of Philadelphia.

At a special meeting of the Florists' Club of Philadelphia, held December 14th, 1909, to take action on the death of their late fellow-member and ex-president, William Kennard Harris, the following resolutions were adopted:

Whereas, the members of the Florists' Club of Philadelphia have learned with deep regret of the death of their esteemed and beloved fellow-member; therefore be it

Resolved, That feeling the sense of loss of one of such sterling worth, whose kindness, benevolence and courtesy so resplendent in his whole life, endeared him to all who knew him; therefore be it further

Resolved, That these resolutions be

published, and a copy of same be sent to his family as a token of high regard, and also as an expression of a sense of the great loss the club has sustained.

ROBERT CRAIG,
JOHN WESTCOTT,
J. OTTO THILOW,
Committee.

By resolution it was agreed the club room should be draped in black and closed all day Thursday. The club's floral emblem was entrusted to John Westcott and A. B. Cartledge. A portrait of Mr. Harris, suitably framed, was ordered for the club room. Joseph Heacock, president of the club, presided at the special meeting which was largely attended, among those present being Fred Hahman, S. S. Skidelsky, George Anderson, David Rust, John Westcott, A. Fahrenwald, George C. Watson, David Rust, Gus Eickmeyer, Jno. Fowler, S. S. Pennock, J. Otto Thilow, H. Waterer, Alfred Burton, J. W. Colflesh, Robert Craig, Edward Towill, James Griffin, A. B. Cartledge and Edward Reid.

OTHER DEATHS.**Sewall Fisher.**

Sewall Fisher, formerly in business as a florist at Framingham, Mass., died at the home of his daughter, Mrs. R. Symmes, in Boston, on Sunday, December 13, aged 76 years. Besides the daughter above mentioned, he leaves a widow and one son.

Mr. Fisher was widely known as a carnation raiser in the early days of that specialty, being a contemporary of the late John Thorpe. Silver Lake, introduced in 1884, Anna Webb, 1885, and Mrs. Fisher, 1890, were his most noted productions, the last named being still grown in some places. Among his introductions were also Cardinal,

Crystal, Clifton Fisher, Florence Fisher and Orient.

Mr. Fisher was a man of very retiring disposition, modest and unassuming to an extreme, affable and kindly always, and enjoyed the respect and esteem of the Boston florists and the carnation fraternity everywhere in the fullest degree.

Mrs. H. J. Franks.

We are very sorry to learn of the death at Allegan, Mich., December 12, of Mrs. H. J. Franks, mother of our Chicago representative, Mrs. M. B. Hancock.

NEW CHRYSANTHEMUM HOWARD GOULD (BESSIE G. PAYNE.)

Editor of HORTICULTURE.

Dear Sir: I notice that in your interesting notes of the Edinburgh Show, you mention the Wells variety which under the name of Bessie G. Payne, captured the Silver Medal. I would say that this chrysanthemum in both England and this country, will be sent out and known under the name of Howard Gould.

Owing to the fact that Mr. Wells was not in England at the time the flower was named, the distinguished gentleman Mr. C. Harman Payne named this variety, as he did not know the circumstances of the case, as it was growing in this country under a seedling number. With Mr. Gould's sanction it was named after him.

The variety is a splendid one and the mix-up in the names, while it could not be avoided, is perhaps to be regretted. However, Messrs. Wells in sending out their new catalogue for the coming year will explain this circumstance and as I before stated this variety will be called Howard Gould and not Bessie G. Payne.

C. H. TOTTY.



HOUSE OF THE LONSDALE "LIGHT PINK LORRAINE" BEGONIA
at Robert Craig Co., Philadelphia.

ABOUT FLOWERS

If you are in the flower business you have something to think about between now and Christmas. I have been connected with the wholesale flower trade of New York for nearly twenty-six years. I know the goods and the people who grow them. So, when you think of Christmas Flowers

THINK OF CHARLES MILLANG.

If there is anything in the great variety of fine stock grown for the New York market that you want I can supply it, in good condition and at fair rates. My central location in the big flower market building of the Metropolis affords Unexcelled facilities for knowing what is available and its value.

I am receiving every day large shipments of superb stock from the best growers.

Every Order Will Receive Careful Personal Attention

Charles Millang

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55-57 West 26th St., NEW YORK Branch: CUT FLOWER MARKET, 57 West 26th St., Ground Floor.

Telephone, 7062 Madison Square.

NEWS OF THE CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

It is a long time since the New York Florists' Club had so big a meeting as on last Monday evening when, braving the rain and slush of the most inclement day of the season, nearly one hundred members were in attendance. Election of officers for the coming year was the principal cause of the excitement. However, everything passed off very quietly, the election of president and secretary being unanimous and the defeated candidates for the other offices accepting the situation very good-naturedly and severally asking that the election of their rivals be made unanimous.

Harry Turner, the present presiding officer, W. E. Marshall and R. M. Schultz all declined to run for the presidency, thus leaving the field clear for A. L. Miller, whose portrait adorns the title page of this issue. For the vice-presidency, Jos. A. Manda defeated Robert E. Berry, and for the treasurership, W. C. Rickards, Jr., the present incumbent, outdistanced J. K. Allen, Mr. Langjahr having declined. A. M. Henshaw declined to run for secretary against John Young, and so the services of this efficient officer are again, as for many years before, at the club's command. H. A. Bunyard, F. R. Pierson and Phil F. Kessler were elected trustees for three years, and Wm. Duckham for one year.

W. H. Siebrecht, Jr., made an interesting report for the joint committee of the Club, the N. Y. Market Association and the N. Y. & N. J. Association of Plant Growers on the availability of the property wanted for a plant market site, and the city's title to same. A. L. Miller, John Birnie and others urged that the club make an early effort to attain the desired object.

Messrs. C. H. Totty, F. R. Pierson and Robert Simpson were constituted a committee to make preparations for the reception and entertainment of the American Rose Society at its approaching meeting and exhibition in this city. Messrs. Wm. Duckham, J. H. Pepper and C. B. Weathered were appointed transportation committee to the meeting of the American Carnation Society at Pittsburg in January. J. Austin Shaw, W. J. Elliott and John Young were appointed to prepare resolutions on the death of John Seligman.

On the exhibition table were sweet peas Christmas Pink, Mrs. Alex. Wallace, Snow Bird, Florence Denzer, Chas. H. Totty and Wallacea, to which the judges awarded a cultural certificate. Chas. H. Weber showed two seedling carnations, one white and one pink, the latter scoring a preliminary certificate. Frank E. Witney, Fish-kill, showed seedling carnation Wodinethe and this also won a preliminary certificate.

The "House Committee" put up a generous spread and a special vote of thanks was accorded J. B. Nugent for the gift of a luscious turkey.

A. L. Miller, President-elect.

Sound and successful, practical and popular, is the gentleman whom the prosperous New York Florists' Club has selected as its standard bearer for the year 1911.

Abraham Lincoln Miller was born May 1, 1865, in East New York, now a part of Brooklyn, Greater New York. Twelve years ago he succeeded to the florist business established in a small way thirty-three years before by his father, Henry Miller, on Jamaica avenue, Brooklyn. His foresight and confidence in the business was demonstrated by the addition of several new greenhouses and a little later, by the purchase of fourteen acres of land at Jamaica, L. I., where a range of houses was erected and the business run in conjunction with that at East New York. The Jamaica establishment comprises about 50,000 sq. ft. of glass, under which are grown Christmas and Easter plants and cut flowers. The collection of herbaceous and nursery stock is also very extensive.

Mr. Miller has been a very active member of the N. Y. & N. J. Association of Plant Growers and president of that association. He has been a devoted member of the New York Florists' Club for twenty years and no one has ever been elected to the highest office in the club's power who has enjoyed the confidence and esteem of the members and of the trade in general more than Mr. Miller has.

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. Laurel Festooning, 6 cents a yard. Boxwood Wreaths' \$6.00 to \$18.00 per dozen. Bush Laurel, 50c. Princess Pine Festooning, \$6.00 per 100 yards, made all round. Leucothoe Sprays, \$7.50 per 1,000; \$1.00 per 100. Dagger and Fancy Ferns, \$1.25 per 1000. New Crop Galax, Bronze, \$1.50 per 1000. Green, \$1.00 per 1000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

A Full Line of Florists' Supplies. All Kinds of Insecticides.

Chrysanthemums and Carnations, in all Standard Varieties. Roses — Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

Seasonable Cut Flowers

Lilies, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus, etc.

Henry M. Robinson Co., Boston, Mass.

15 Province Street and 9 Chapman Place.

Telephones—Main 2617-2618. Fort Hill 25290.

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION.

A VISIT TO NASHUA.

Saturday, December 11, was a "red-letter day" in the history of the Gardeners' and Florists' Club of Boston. Secretary Craig had called for a good turn-out of members in acceptance of the invitation to visit the respective establishments of George E. Buxton and August Gaedeke & Co., at Nashua, N. H., and the response was an enthusiastic one, there being fully 75 in the party, comfortably filling the special car which had been attached to the 11.30 a. m. train from Boston. A trio of musicians accompanied the party and music was at no time lacking.

On arrival at Nashua the visitors were met by their hosts and Judge C. W. Hoitt and escorted to the Tremont House where a fine dinner was enjoyed. Special cars were boarded for Mr. Buxton's range of greenhouses, which were found in a condition of splendid fertility and neatness. After a thorough inspection the route to the Gaedeke establishment was taken up and a brief stop was made at Judge Hoitt's beautiful home where the poultry-loving members had an opportunity to admire a dazzling array of prize winning pheasants, bantams and other feathered kind. At each of the above places refreshments were lavishly provided and at Gaedeke's they found the long potting shed transformed into a refreshment room of unlimited resources.

At the dinner there had been no speech-making other than a few words of welcome by Judge Hoitt, who presided, and a brief response on behalf of the visitors by President Downs. At the wind-up at Gaedeke's, however,

considerable oratory was turned loose, together with singing, cheering and general hilarity which was well maintained on the homeward trip to Boston. The most unassuming and modest of the whole party were Messrs. Buxton and Gaedeke, who well exemplified the quiet modesty which Judge Hoitt declared to be a universal characteristic in New Hampshire statesmen.

At Mr. Buxton's place were seen three carnation seedlings, all white, viz., Granite State, No. 3 and No. 7, in their fourth year and all showing strong points of superiority. Pink Beauty, another seedling, was much admired. It is a cross between Marion Buxton and Mrs. Patten, color deep pink. Among the standard varieties showing up particularly fine were Winoona, Rose Pink Enchantress, Beacon, White Perfection, Pink Delight and Enchantress. Mr. Buxton is an "old stager" at the carnation business and has lost none of his skill.

At August Gaedeke & Co.'s a bench of Bay State was most creditable and a house of the old stand-by, Fair Maid, was acknowledged by its raiser, Albert Roper, to be equal to the best he had ever seen. Very few carnations have earned so much money per square foot for the grower as this "bread and butter" favorite. Another specialty greatly admired at Gaedeke's was the Lorraine begonias—equal to the best produced anywhere. There are two carnation seedlings here also which may yet be heard from.

The Utica (N. Y.) Florists' Club held its annual banquet at Genesee Hall, on the evening of Dec. 2, and a very pleasant time was enjoyed.

MILWAUKEE FLORISTS' CLUB.

The artistic success of the Milwaukee Flower Show was so marked that the Milwaukee Florists' Club has practically decided to hold another one next year, even though the affair was not a financial success. The annual meeting and election of officers of the club was held December 4, when the following officers were elected:

President, Nicholas Zweifel; vice-president, Alex Klokner; treasurer, J. G. Heitmann; secretary, Eugene Oestreicher; trustee for three years, Arthur Leidiger, and trustee for one year, Gust Pohl.

APHINE

The new insecticide discovery that kills plant lice of every species.

Effective indoors and outdoors.

Send for Descriptive Circular.

George E. Ta'madge, Inc.

MADISON, N. J.

NEWPORT HORTICULTURAL SOCIETY.

At the annual meeting of this society, held on the evening of December 14th, the following officers were elected for the ensuing year:

President, James Robertson; first vice-president, John P. Hammond; second vice-president, John Forbes; recording secretary, Daniel J. Coughlin; financial secretary, Andrew S. Meikle; treasurer, A. K. McMahon; sergeant-at-arms, William F. Smith. The following with the above officers comprise the executive committee: Samuel Speers, Alex. McLellan, Charles



JAMES ROBERTSON

Re-elected President of the Newport Horticultural Society.

Newton, Bruce Butterson, Patrick F. Reynolds, William Mackay, John B. Urquhart and C. M. Bogholdt.

The society voted to celebrate its twentieth anniversary in January with a dinner and appropriate accompaniments for this is in the hands of an able committee. A good time is fully expected.

David McIntosh, now of Tuxedo Park, N. Y., former secretary of the society, was present at the meeting.

HORTICULTURE:

Please continue my ad. I will tell you when to stop. It has cost me \$3.10 and through it I have sold \$200 worth. Good work! H. J. BLANCHARD.

SURPLUS BULBS

HYACINTHS	Per 100
Double Named	\$4.50
Double Unnamed	2.35
Single Unnamed	2.35
DOUBLE TULIPS	
Imperatour Rubrorum	2.25
Rex Rubrorum	1.65
Superfine Mixed, early .....	.75
SINGLE NARCISSUS	
Priniceps maximus	2.25
Golden Spur	1.75
Poeticus Burbidgel .....	.60
DOUBLE NARCISSUS	
Albo pleno odorato .....	.50
Von Slon, True Daffodil	1.00
Von Slon, Double Nose	1.80
Mixed .....	.80
POLYANTHUS NARCISSUS MIXED	
	.85

To secure these prices must mention this paper.

JAMES VICK'S SONS, Rochester, N. Y.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN

6 and 7 South Market St., Boston.

To Clean Out

DUTCH HYACINTHS A No. 1 Bulbs, Rose Red, Dark Red, White, Pure White, Blue, Blush White, Light Blue, Dark Blue, and Yellow; all single, \$1.50 per 100; \$10.00 per 1000.

CALLA ETHIOPIA. Bulbs 1 inch Diameter, Fine Healthy Bulbs, \$2.00 per 100; \$15.00 per 1000.

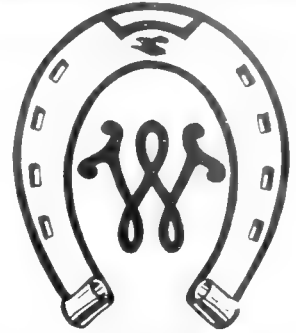
300,000 Gladioli America Bulblets, \$5.00 per 100. Larger Lots Estimated.

Berrydale Experiment Gardens,

ROUTE NO 1, BOX 54.

HOLLAND, - - MICH.

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Sure Success in Forcing Asparagus

I am the only party in this country offering Asparagus Roots of the right size and age for forcing, which is eight years. Lots of eyes on each root. Also Rhubarb Roots for forcing.

WARREN SHINN, Nurseryman

WOODSTOWN, - - - N. J.

In ordering goods please add "I saw it in HORTICULTURE."

LILY OF VALLEY

PERFECTION PIPS

1000, \$14.00; case of 2000, \$26.00
Can be forced into flower January 1st.

SELECTED 3 YEAR OLD

1000, \$11.00; case of 2500, \$26.00

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42 Vesey Street . . . NEW YORK

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule,

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD
N. J.

PALMS, All Sorts and Sizes

A. N. PIERSON, Inc., Cromwell, Conn.

FULL LINE OF PALMS AND FERNS

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2½ ft....\$1.00 each	4½ ft....\$3.50 each
3 ft.... 2.00 each	5 ft.... 4.00 each
3½ ft.... 2.50 each	5½ ft.... 5.00 each
4 ft.... 3.00 each	6 ft.... 6.00 each

EVERGREENS

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases.

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS and BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes, and any quantity.

RHODODENDRONS

In all bright colors; fine forcing varieties; good value. \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.

POT GROWN

	Per doz.	Per 100
Azalea Mollis	\$ 4.50	\$35.00
Deutzia Gracilis, pot grown	2.00	15.00
Double Flowering Cherry	15.00	
English Hawthorn, double scarlet	12.00	
Lilac Charles X, Marie Le Graye, extra size, for 8-9 inch pots.....	10.00	
Malus, Flowering Crab..	12.00	
Prunus Triloba, Standard	15.00	
Prunus Triloba, Bush....	9.00	
Staphylea Colchica	9.00	
Viburnum Opulus	6.00	
Weigela Eva Rathke.....	12.00	
Wistaria, blue	12.00	
Dielytra Spectabilis	6.00	
Aucuba Variegated, for window boxes, 12-15 inches	4.00	
Aucuba, fine plants, 18-24 inches	9.00	
Kalmia Latifolia.....	9.00	
Magnolia, pink ..1.50 to	2.50	

ROSES

H. P. low budded, 2 yr., fine stock for forcing in pots; following varieties \$15.00 per 100, \$120.00 per 1000:

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Bauman, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.		
Crimson Rambler, Home Grown:	Per doz.	Per 100
2 yr. old; 2-3 in., well branched, own roots...	\$2.00	\$12.00
2 yr. old; 2-3 in., well branched, budded.....	2.00	12.00
3 yr. old; 3-4 in., well branched, own roots...	3.00	15.00
3 yr. old; 3-4 in., well branched, budded.....	3.00	15.00
Dorothy Perkins, strong, field grown	2.00	15.00
Baby Rambler, Half Standards, 30 in. high.	9.00	
Lady Gay, 2 yr. old....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00
Anny Mueller, dormant plants, 2 yr. old (Pink Baby Rambler)		16.00

A visit to our Greenhouse and Nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists.

Ask for Wholesale Catalog.

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Rooted Cuttings Ready January '15, 1910

December and first part of January cuttings all sold.

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashing of pink similar to the Cattleya Orchid, increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following:

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Rooted Cuttings Ready February 1, 1910

January cuttings all sold.

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Cottage Gardens Co., Inc.,

QUEENS, LONG ISLAND, N. Y.

A Few Left of the New Dawson Rambler Roses DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees and Shrubs and Hardy Herbaceous Perennials

EASTERN NURSERIES, JAMAICA PLAIN, MASS.

HENRY S. DAWSON, Manager

ROEHRS

RUTHERFORD, N. J.

PHOENIX and KENTIAS

WANTED

CALCEOLARIA, in 3-4 in pots — price per 100.

KNIGHT & STRUCK, No. 1 Madison Ave., New York

Come and See DOROTHY GORDON

growing and judge for yourself of its good qualities.

Orders for 60,000 R. C. have been booked without spending anything for printers' ink.

DOROTHY GORDON is beyond question the best commercial pink carnation in sight today. Its pedigree, *Lawson on Enchantress*, alone should recommend it to every carnation grower, but pedigree is by no means its chief merit. It possesses many of its own, such as

- 1st Vigorous constitution and freedom from disease.
- 2nd Size. Blooms average over 3 inches, of excellent form.
- 3rd Color. Resembles *Rose Pink Enchantress*, but is superior to that variety in being more uniform.
- 4th Long stiff stem.
- 5th Fragrant.
- 6th Keeping qualities of the best.
- 7th Blooming qualities 30 per cent. better than *Enchantress*.

We had a stock of 6,000 plants last season. The flowers were all sold at the holidays to the trade in Philadelphia at \$12 per 100 and uniformly sold for 50 per cent. more than we got for *Enchantress* during the rest of the season.

DOROTHY GORDON will be disseminated during the winter of 1909 and 1910 at the popular price of \$10.00 per 100, \$75.00 per 1000. Strictly on its merits. No carnation grower can afford to be without it. Come and see it, examine our books, and decide for yourself. It must be sold on its merits or not at all. Orders filled in strict rotation.

Joseph Heacock Company, Wyncote, Pa.

Wyncote is 10 miles north of Philadelphia on Phila. & Reading R. R. 100 trains every week day.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also fine list of

Christmas and Easter Plants

Also others. Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N.Y.

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Forsomum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River L. I., N. Y.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St. Tel. 2890 Bedford BROOKLYN, N. Y.

Iris Pallida Dalmatica

No florist or landscape-gardener can afford to be without a good stock of this beautiful hardy plant; it is beautiful in the border, and beautiful in floral decorations; easy and strong grower. In color, a beautiful shade of lavender, similar to the darkest shades of *Vanda coerulea*.

\$12.00 per 100; \$100.00 per 1000.

J. A. PETERSON

McHenry Ave., Westwood,

CINCINNATI, O.

JOHN WATERER & SON, Ltd.

American Nursery

Bagshot, England

Are Specialists in the

REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants

Prices Quoted in these Columns are for Dealers Only. When Writing to Advertisers Please Mention HORTICULTURE.

JAPANESE
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR.
LILIES
PLANTS
BAMBOO STAKES

SELECT FERNS for FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of the different varieties of **NEPHROLEPIS** which will be found one of the best selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

IMPROVED ELEGANTISSIMA. The finest of all this type. It was introduced by us in 1905. This form of *Elegantissima* has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

SUPERBISSIMA. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

BOSTONIENSIS, PIERSONI, WHITMANI, SCOTTII. Extra fine plants, 6-in. pots, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

AZALEAS

Now in Bloom and Bud. Orders taken for Christmas and Easter delivery in the best commercial varieties.

Bay and Box Trees, *Euonymus*, *Eurya latifolia*, *Araucarias*, *Asparagus*, *Adiantums*, *Crotons*, *Areca lutescens*, *Cocos*, *Kentias*, *Latania*, *Phoenix*, *Rubbers*, *Pandanus*, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

A. LEUTHY & CO.

PERKINS ST. NURSERIES
ROSLINDALE, BOSTON, MASS.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000,
Cash with order.

FRANK OECHSLIN

911 Quincy St., - - CHICAGO, ILL.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

3½-in., \$40.00 per 1000; 2½-in., from Bench,
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

In ordering goods please add "I saw

it in HORTICULTURE."



PREPARE FOR CHRISTMAS



Headquarters for *Begonia Gloire de Lorraine*. In perfect blooming condition, 6 in. 50c, 75c, \$1.00; 7 in. \$1.25 to \$1.50. I have the deep pink and the light pink varieties.

Ferns, *Scottii*, *Boston*, *Amerpohli*, *Whitmani* and *Todeaoides*, in 7 in. pots, 95c, \$1.00, \$1.25, \$1.50. *Boston* and *Todeaoides*, 5½ in. 35c and 40c.

Asparagus Plumosa Nana, 2½ in., 3c; 3 in., 6c; 4 in., 10c.

Sprengeri, 3 in., 5c; 4 in., 10c.

Areca Lutescens, made up, 3 plants in a 5½-in. pot, 35c.

Cocos Weddelliana, 3 in., 15c, 18c, 20c.

Ficus Elastica (Rubbers), 4-5-6-7 in. pots, 25c, 35c, 40c, 50c. 3 ft. high, \$1.00.

Kentia Forsteriana, big stock, 35 to 50 in. high, \$1.50, \$2.00, \$3.00. Made up, 50 in. high, \$4.00. *Kentia Belmoreana*, 4 in. 25c; 3 in. for fern dishes, 10c. *K. Forsteriana*, 4 in., 20 in. high, 20c. *Latania Borbonica*, 4 in. 20c. *Areca Lutescens*, 5½ in. made up, 35c to 40c. *Cocos Weddelliana*, 3 in. to 3½ in. 15c, 18c, 20c, 25c.

Begonia Gracilis, deep red, and new Improved *Erfordi*, 5½ in. 25c. *Vernon*, 4 in. 10c.

Ferns in 6 in. pans, made up of three plants such as *Pteris Victorialis* silver leaved fern, *P. Wilsoni*, *P. Wimsettii*, 30c. These pans are very attractive and sell at sight. *Adiantum cuneatum*, 4 in. 10c.

Jerusalem Cherries, full of berries, 6 in. pots 25c, 35c and 50c.

ARAUCARIAS

Excelsa, 6 in. pots, 4 years old, 20 in., 25 in., 30 in., 35 in. high, \$1.00, \$1.25, \$1.50.

Excelsa glauca (blue trees), 4 years old, 6 in., \$1.25, \$1.50, \$1.75. *Robusta compacta*, 4 to 5 years old, 6 in. pots, 3 to 4 tiers, \$1.25, \$1.50, \$1.75 to \$2.00 each.

Ferns for Dishes. A good assortment 2½ in. pots, \$4.00 per 100.

Azalea Indica, in bloom for Christmas. *Mad. Petrick* best early double pink, 75c, \$1.00, \$1.25 to \$1.50. *Deutsche Perle*, pure double white, and *Vervaeana*, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Azaleas*, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots.

Cyclamen Grandiflorum in bud and bloom, 4 in. 25c.

All Plants Travel at Purchasers' Risk Only. Cash with order please.

GODFREY ASCHMANN

WHOLESALE GROWER AND IMPORTER OF POTTED PLANTS

1012 West Ontario Street, - - PHILADELPHIA, PA.

NEW SEEDLING ROSE "RADIANCE"

A Seedling from *Cardinal*, a brilliant rosy carmine with rich opaline tints in the open flower; the form is fine, large, with cupped petals; bud long, brilliant, radiant, with extra long stems; a constant bloomer, very fragrant, foliage abundant and of splendid substance.

2½ inch pots \$18 per 100, ready for delivery in March.

Cash from unknown correspondents.

JOHN COOK,

318 N. Charles St., - Baltimore, Md.

Roland's Xmas Plants

	Per Doz.
Oranges.....	\$24.00 to \$48.00
Ardesias.....	12.00 to 36.00
Dracaena terminalis.....	9.00 to 18.00
Begonias.....	1.50 to 36.00
Primulas.....	3.00
Cyclamen.....	5.00 to 36.00
Azaleas.....	6.00 to 36.00
Poinsettias.....	3.00 to 15.00
Ericas.....	18.00 to 36.00
Camellias.....	18.00 to 24.00

Come and see our stock; greenhouses
39 minutes from North Station, Boston

Thomas Roland
NAHANT, MASS.



Cocos Weddelliana

A Splendid Holiday Plant.

We are sending out at the present time a splendid lot of Cocos Weddelliana, in 5-inch pots, at \$1.00 each, perfect stock, of a rich dark green color, 18 to 24 inches high, just the sort of plants to appeal to your customer for house decoration.

May We Send You a Trial Lot of These?

For a full and complete list of Seasonable, Decorative and other stock, see our current wholesale list.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

BEFORE YOU THINK Of Buying Elsewhere

send for our list and quotations or, better still, come and look over our stock which is not excelled anywhere.

A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

We have just what you NEED.

William W. Edgar Co.
WAVERLEY, MASS.

HEACOCK'S PALMS

Areca Lutescens	Each
6 in. pot, 3 in. pot, 24 to 26 in. high.....	\$0.75
7 in. pot 3 in. pot, 26 to 28 in. high.....	1.00
6 in. pot, 2 in. pot, 30 to 32 in. high.....	2.00
Cocos Weddelliana	Per 100
2½ in. pot 8 to 10 in. high.....	\$10.00
2½ in. pot 10 to 12 in. high.....	15.00
Kentia Belmoreana	Each
5 in. pot, 6 to 7 lvs, 18 in.	\$50.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.	1.00
7 in. pot or tub, 6 to 7 leaves, 24 to 36 in.	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
Made-up Kentia Forsteriana	Each
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50
7 in. pot, 4 in. pot, 36 to 38 in.	3.00
9 in. tub, 4 in. tub, 42 to 48 in.	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

CHRISTMAS PLANTS

We have on hand an extra fine lot of JERUSALEM CHERRIES which we offer at \$2 and \$3 a dozen.

Cash with order please

PAUL DE NAVE

Tel. 615-21 39 Farnham St., Fall River, Mass.

NEW SEED PHOENIX ROEBELENI

THE ONLY SEED TO BE OFFERED

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THE WONDERFUL JAPAN AIR PLANT

Imbedded in beautiful Murex shell; chain, ring, shell, and plant complete,—retail for 25 cents. Trade price \$1.75 doz; \$18.00 gross. The fastest selling and most attractive novelty of the age. Add it to your line. Sells all the time; Pink Strombus, Conchs and all other shells suitable for inside and outside artistic effects, always on hand.

ROSIN & CO., 125 SO. SECOND ST Philadelphia.

ORCHIDS ROEHRS, Rutherford, N. J.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptum.

LAGER & HURRELL, SUMMIT, N. J.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

Seed Trade

Opposition to Pea and Bean Contract Prices.

As was expected, the advance in contracting prices of peas and beans over last year's figures has met with considerable opposition from both seedsmen and canners, but in both instances it is largely due to the buyer not fully understanding conditions. It was pointed out in these columns a few weeks ago that such an advance was inevitable, because the growers were compelled to pay to the farmers an advance over last year, and as all were operating on as close a margin as was possible and leave them even a meagre profit, there was no alternative but to charge the advance to the consumer.

It would be of course unfortunate for the growers to take advantage of the situation to increase prices to an unjustifiable degree, but they should make due note of the congested condition of the canned goods market, and especially affecting canned peas. Many years ago when testifying before a committee inquiring into operating expenses of railroads, William H. Vanderbilt was asked on what the railroads based their charges. His reply was, "All that the traffic will bear." This should not be the attitude of the seed-growers at this time, nor in fact at any time, and generally speaking it can be said with confidence that it is not, and the advances asked on future pea seed are, as a rule, amply justified. It is earnestly hoped that both canners and seedsmen will duly appreciate this fact, and accept the situation, even though it apparently involves some hardship to them.

More will be said along this and kindred lines in future issues of HORTICULTURE.

Postage on Sealed Seed Packets.

We have been informed that the Postmaster General of the United States has had presented to him for approval a ruling made by the postmaster in a western city to the effect that a packet of seeds sealed is not mailable at their office as third-class postage, unless the packet is made of transparent paper.

From the beginning of the seed business in this country, packets of this character have been accepted for mailing as third-class matter, notwithstanding that they were sealed and any change in this matter would work serious hardships on the very large business interests concerned. It is necessary to seal the packets in order to preserve the germinating quality of the seeds and to avoid mixture between the different kinds of seeds in the various packets which are ordered at one time by a customer.

In its final analysis, of course, the matter would resolve itself into one of hardship to the customer as the increased postage required would necessarily have to be added wholly or in part to the price of the seed. Inasmuch as the seed packets must be made up several months before they are sold, however, the first and immediate injury would be done to the seedsmen who already have prepared their stock of seeds and opaque packets for the following spring's business.

A. T. Boddington and others write

SUTTON'S SEEDS

Of the most beautiful Flowers and the finest Vegetables

SUTTON'S AMATEUR'S GUIDE IN HORTICULTURE

Flower Seeds of \$2.44
value and upwards for-
warded post free.

The finest Seed Catalogue ever published; illus-
trated with nearly 260 photographic reproductions.

 Post Free for 25 cents on application to

Sutton & Sons, Reading, England.

that they are bringing the matter to the attention of their congressman in the hope that they will enter a protest against any change in the classification for mailing purposes of seed packets.

Short Deliveries on Garden Beet Seeds.

In the edition of HORTICULTURE of date the 11th of December, appeared an article on crop estimates which in some respects may lead to a misconception as to supplies in sight.

The article referred to stated that seed of Garden Beets with the three exceptions of Crosby's Egyptian, Detroit, and Edmunds will be delivered nearly or quite in full, but on the three exceptions there may be only a delivery of forty to sixty per cent. We sincerely wish this were correct, for as in the case of many contracts made between us and European contractors we cannot point to any such experience as reported in the article referred to.

The general average of deliveries expected by us from Europe are instead of forty to sixty per cent of Crosby's Egyptian, and Edmunds, only twenty-five per cent, while of no other sort will the expected delivery reach over sixty per cent instead of one hundred per cent as reported, and in many cases the deliveries will be from twenty, or thirty to forty per cent. One London house on a contract of 6000 pounds Detroit has sent 448 pounds or eight per cent and write that will be the entire quantity they will send us on the contract.

D. LANDRETH SEED CO.
Bristol, Pa.

Notes.

The executive committee of the American Seed Trade Association will hold a session in Boston on December 27.

J. B. Gibson, representing Routzahn Seed Co., Arroya Grande, Cal., was a visitor in New York last week.

The crop of best quality lily of the valley pips has run short of the demand and the stock is very scarce here and in Europe.

The delivery of Manetti rose stocks from Europe has also been cut short, no more being available. This will be a great disappointment to many people who will have to accept a partial supply. The heavy stock such as is used by nurserymen is particularly scarce.

Morganhill, Cal. — The Leonard Coates Nursery Co., formerly of San Francisco, has removed to this place.

POTASH FOR SALE TO ALL.

Farmers who farm on business principles and fertilize their soils as a manufacturer puts money into a plant—for investment—have never needed much argument to be convinced that "Potash Pays." The trouble for the farmer has been not only the price, but the difficulty of getting Potash at any price. The manufacturers have heretofore absorbed it all.

All this has been changed, and growers will now be able to buy all the Potash Salts they need, in any quantity they want it, of local dealers everywhere.

The great German potash mines are now producing enough potash to enable the American selling agency to guarantee delivery of all that is required both by fertilizer manufacturers and by local dealers and farmers. Ask your dealer to carry these invaluable salts in stock. Write to the German Kali Works, Continental Building, Baltimore, Md., for their "Farmers' Note Book" and their valuable literature on fertilizing and cultivation. Mention what crops you are most interested in. It will pay you to do it.

As is generally known, Robert Craig's keen judgment and foresight in the case of *Ficus pandurata* made a lot of money for that gentleman, besides giving the florist trade at large a plant of unexcelled qualities for decorative work. Mr. Craig, we understand, has another new "rubber" in store which, it is believed, will also prove an equally great winner. Perhaps the trade will do well to remember this even if "altissimus" has to take a back seat in the meantime.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CABBAGE PARSLEY LETTUCE	Wakefield and Succession.
	\$1.00 per 1000. \$8.50 per 10,000.
	25 cts. per 100. \$1.25 per 1000.
	Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
CASH WITH ORDERS	
R. VINCENT, JR., & SONS CO.	
White Marsh, Md.	

RHUBARB SEED FOR SALE

Fine crop of 1909. Clean seed of fine Rhubarb Price all right. Order now.

Warren Shinn, Nurseryman, Woodstown N



HEADQUARTERS

Christmas Greens

Holly Wreaths. XX, \$10.50 per 100; Michell's Special, \$12.00; Michell's Extra Special, \$15.00 per 100.

Holly. The very choicest, well berried, will sell on sight. Single Case, 2' x 2' x 4' or 16 cubic feet, \$5 00; 5 Cases, \$22 50; 10 Cases, \$42.50.

Laurel Wreathing. Michell's extra heavy. 25 yards or over, 5c per yard; 100 yards or over 4 1/2 c yard; 1000 yards or over 4c yard.

Mistletoe. Well berried, perfect foliage. Case, 16 cubic feet, \$10.00; smaller cases at \$5.50 and \$3.00

Lycopodium Wreathing, \$6.50 per 100 yards.

Green Lump Moss, 1.50 per bbl.

Sheet Moss, 2.75 per bbl. sack.

Sphagnum,75 per bbl. bale.

CHRISTMAS GREENS, SEEDS, PLANTS, SUNDRIES

HENRY F. MICHELL CO.

Two Stores:
1018-518 MARKET STREET, PHILADELPHIA

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

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Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillum Longiflorum Giganteum C. S. by the case of 300.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

ESTABLISHED 1802

Thorburn's Seeds

Finest strain of Long Island grown
Early Jersey Wakefield Cabbage
and other high grade seeds for
Market Gardeners and Florists.
SEND FOR PRICES.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

WRITE
FOR
OUR
PRICES



BULBS
YOU
MAY
WANT

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1910 next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

SEED for FLORISTS TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

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Japonica, Multiflora and Floribunda

GLADIOLI, THE BRIDE, JAPANESE LILIES, LILY OF THE VALLEY

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

C AULIFLOWERS CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

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Out of Town orders for Hospitals
Carefully filled.

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Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

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WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The new store of Julius A. Zinn at 1 Park street, Boston, was opened on December 10. It is unique in that it has a wide frontage, facing Boston Common and an equally wide back window opening on the old Granary Burying Ground, thus insuring bright daylight from both ends of the store. It is finely decorated and adorned with a big display of holiday material and there is no finer location for business in Boston than Mr. Zinn has thus come into possession of.

STEAMER DEPARTURES

Allan.	
Numidian, Boston-Glasgow..	Dec. 24
American.	
Philadelphia, N. Y.-S'hamp'n.	Dec. 25
Atlantic Transport.	
Minnetonka, N. Y.-London...	Dec. 25
Cunard.	
Saxonia, Boston-Liverpool....	Dec. 28
Mauretania, N. Y.-Liverpool...	Dec. 22
French.	
La Provence, N. Y.-Havre....	Dec. 23
Hamburg-American.	
Pretoria, N. Y.-Hamburg.....	Dec. 25
Red Star.	
Finland, N. Y.-Antwerp.....	Dec. 22
White Star.	
Cedric, N. Y.-Liverpool.....	Dec. 24
Oceanic, N. Y.-S'hamp'n....	Dec. 22

PERSONAL.

F. J. Farney, of M. Rice & Co., Philadelphia, and the Beyer Bros., of South Bend, Ind., were visitors in Indianapolis, Ind., last week.

Arthur Griffin, who was gardener for a number of years at the E. T. Gerry Estate, Newport, R. I., has accepted a similar position for Mr. Isaac Guggenheim at Port Washington, L. I.

C. N. Dickinson of E. H. Hunt, Chicago, had a bad fall the first of last week in crossing where some street repair work was being done, and has been confined to his home with an injured arm, in consequence.

E. G. Hill delivered a talk to the students of Earlham College, Richmond, Ind., on December 10, on his favorite topic, "Plant Breeding" and dwelling especially on the subject of cross-fertilization of roses. In speaking of the floral scientists of the day, Mr. Hill said he thought that the Frenchman who had produced the double geranium had a claim to a higher honor than Mr. Burbank.

NEW FLOWER STORES.

Marysville, Cal.—J. W. Evans in the Ellis block.

Peoria, Ill.—C. Loveridge, 127 So. Jefferson avenue.

Chicago, Ill.—The Woodlawn Flower Shop will open for business on Saturday, Dec. 18th, at 63d St. and Drexel Blvd.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

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In the Heart of New York City

1294 Broadway

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YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

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**Choice Flowers and
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FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

BOSTON

LIVERPOOL

Flower Deliveries in Boston and Vicinity

Send your orders for flower deliveries to us and be sure they are filled promptly and carefully. Flowers, plants or design work delivered in good shape. Orders may be sent by mail, telephone or telegraph.

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Red Cedar, shapely and close, from \$4.00 per doz. up.
Green Moss. Thin and fresh, per bag 75c.
Cedar and Laurel Wreathing. \$40.00 per 1,000 yds.
Pine Branches. Filled with Cones, per bdl \$1.00.
Laurel Pine and Cedar Branches, per bdl 50c.

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Mapes' Rustic Works, CLAYTON, N. J.
Bell 'Phone, 29 L

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

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C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

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Send flower orders for delivery in Boston and all New England points to

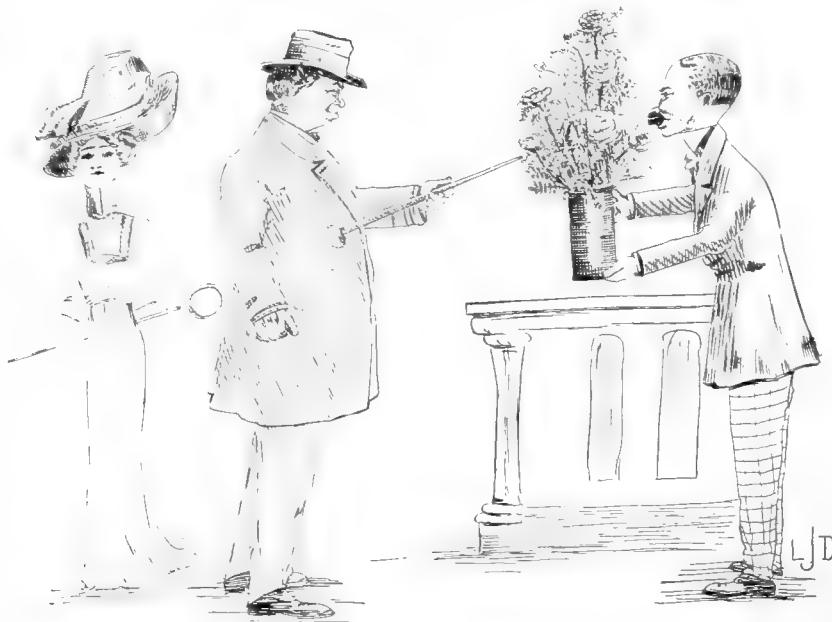
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Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
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Elderly Gentleman—"And have you nothing better?"

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Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Malden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Boston—Champney, Inc., Delta Building, Post Office Square.
Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
New Orleans, La.—Chas. Eble, 121 Baronne St.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F. St.
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Your orders for flower or plant delivery in Eastern New England to

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2 Beacon St., Boston

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121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

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Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
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28 STATE STREET, - BOSTON
Telephone, Main 58.

CARNATIONS

Our stock will consist largely of the better varieties. Quality will be very fine.

GARDENIAS

Splendid stock in large quantity.

DOUBLE and SINGLE VIOLETS

In fine condition for Xmas.

We have the best and largest stock of Cut Flowers we have ever offered for Christmas.

Business hours: 7. A. M. to 8 P. M.

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EXTRA QUALITY VALLEY

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51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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Long Distance Phone, Central 6004

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45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

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Greenhouses, - Morton Grove, Ill.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw
in HORTICULTURE."

HOERBER BROS.

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CHICAGO ILL. Randolph 2758

Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Xmas Prices	TWIN CITIES Dec. 14	PHILA. Dec. 14	BOSTON Dec. 16
ROSES				
Am. Beauty, Fancy and Special...	90.00 to 100.00	30.00 to 40.00	40.00 to 45.00	40.00 to 50.00
Exira.....	75.00 to 90.00	20.00 to 30.00	30.00 to 40.00	20.00 to 30.00
No. 1.....	75.00 to 90.00	15.00 to 20.00	20.00 to 30.00	10.00 to 15.00
Lower grades.....	20.00 to 40.00	10.00 to 15.00	8.00 to 10.00	4.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.....	12.00 to 15.00	6.00 to 8.00	10.00 to 12.00	6.00 to 8.00
Lower grades.....	8.00 to 10.00	4.00 to 5.00	6.00 to 8.00	1.00 to 4.00
Killarney, Fan, & Sp.....	15.00 to 20.00	6.00 to 8.00	10.00 to 20.00	10.00 to 12.00
Lower grades.....	8.00 to 12.00	4.00 to 6.00	6.00 to 8.00	1.00 to 8.00
Richmond, Fancy & Special.....	15.00 to 25.00	8.00 to 10.00	15.00 to 20.00	8.00 to 12.00
Lower grades.....	8.00 to 15.00	5.00 to 8.00	4.00 to 12.00	1.00 to 6.00
My Maryland.....	15.00 to 25.00	5.00 to 10.00	6.00 to 20.00	1.00 to 12.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	4.00 to 6.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
MISCELLANEOUS				
Chrysanthemums, fancy.....	15.00 to 25.00	15.00 to 25.00	25.00 to 30.00	10.00 to 12.00
Ordinary.....	10.00 to 15.00	10.00 to 20.00	15.00 to 20.00	4.00 to 8.00
Cattleyas.....	75.00 to 100.00	40.00 to 60.00	75.00 to 100.00	35.00 to 50.00
Lilies.....	12.00 to 15.00	12.50 to 15.00	15.00 to 20.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 5.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Violets.....	1.00 to 2.00	.75 to 1.00	.75 to 1.25	.50 to .75
Mignonette.....	4.00 to 8.00	..... to 4.00	4.00 to 5.00	1.00 to 4.00
Sweet Peas.....	1.00 to 2.00	..... to 1.00	1.00 to 1.50	..... to 1.00
Roman Hy. Paper Whites.....	3.00 to 4.00	2.50 to 4.00	2.00 to 4.00	2.00 to 3.00
Stevia.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias.....	40.00 to 75.00	25.00 to 35.00	25.00 to 40.00	25.00 to 35.00
Adiantum.....	.75 to 1.00	1.00 to 1.25	1.00 to 1.50	.75 to 1.00
Smilax.....	10.00 to 12.00	12.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100).....	50.00 to 60.00	35.00 to 50.00	50.00 to 60.00	25.00 to 50.00
" & Spreng. (100 bchs.).....	20.00 to 30.00	25.00 to 35.00	50.00 to 60.00	25.00 to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

PHILADELPHIA NOTES.

The "California red berry" with its panicles of red fruit like an ardesia, has become quite a popular holiday subject in the east, but it should be remembered that it will not stand frost in shipment. Most of the Philadelphia commission houses are now handling this item.

Another red-berried subject is the "Japanese miniature holly"—leaves about the size of boxwood, berries like small red currants. This is labeled Ilex cassine and is from North Carolina, but if it is the Japanese species it should be Ilex latifolia. Ilex cas-

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

sine is a native of North Carolina and Florida; latifolia is a native of Japan.

BUSINESS CHANGES.

Salt Lake City, Utah.—The property of the Salt Lake Floral Company, between State and Main streets, Eleventh and Twelfth South, has been sold by Mayor John S. Bransford to W. W. Wilson and D. E. Law, of Butte. This is the property established several years ago by William A. Clark, Jr., for an associate who failed to make the business a success. It finally became a possession of the mayor, and has been prosperous under his ownership.

Flower Market Reports.

BOSTON Demand is very light this week and so it is fortunate that very little stock is coming in. The supply is remarkably light considering the amount of good sunlight which we have had most of the time. The wholesalers are busy with their greens trade which is very heavy this year. Holly is fine in quality with prospect of scarcity before Christmas comes. Lycopodium is in full supply and it has been offered to parties in Chicago, where it is represented to be very scarce, at a moderate price but was declined. The prospects for Christmas flower trade are not yet sufficiently developed to warrant any forecast and holiday prices will not be fixed until first of the week.

BUFFALO Trade has been a little quiet in the flower market the past two weeks, though everyone is busy getting things in shape for the holiday trade. In the cut flower line carnations have been short in supply and as the chrysanthemums are about over the demand has been better on all lines. Giganteum lilies have moved better, also roses and other material. Beauties were in good supply, also lily of the valley, peas, mignonette. Narcisi and Roman hyacinths have had a good call.

CHICAGO The market for the past week has been rather stiff in prices owing to the very unsettled weather. The demand has been good and the supply equal to it. Carnations are soft and do not ship well. We must have some good clear, bright, cold days to bring them in shape again. A few chrysanthemums were on the market, but were slow of sale as prices were high and quality not very good. Callas are beginning to come in, also Harrissi lilies. Roman hyacinths and Paper Whites are plentiful and demand slow. Holly is being received in small quantities and prices high, with prospects of still higher prices. Unless the weather changes considerably this week the prospects for Christmas supply will be very bad; the dark damp days keeping the flowers from developing and causing them to be soft and faded.

DETROIT Last week gave plenty of time to prepare for the holiday trade. It is an annual experience, people being too busy with shopping to think of florists till the last minute. Fortunately, one might say, cold and dandy weather kept the supply short and prevented a slump in prices. The latter is just now more harmful than a few slow days, because retailers cannot withstand the temptation to cut their prices. This, in view of the fact that in about a week there will prevail holiday prices and a consequent rise in retailing, makes an extremely poor impression on our customers. A slow but steady advance in the retail price of all our product beginning three weeks before the holidays is much more preferable to a rapid advance during the last days. As a rule prices at present are slightly lower than at Thanksgiving. Violets are in most stores the same and long Beauties have advanced.

(Continued on page 897)

Some CHRISTMAS Specialties with us in Greens HOLLY



Extra selected, the best our gatherers can obtain in the Holly fields of Delaware and Maryland. P-M quality.

Per case, \$5.00.
In lots of 5 cases, \$4.50.
In lots of 10 cases, \$4.00.
Special prices in quantity.
Every case guaranteed.

Holly Wreaths, per 100, \$15.00; extra heavy and large, \$18.00 to \$20.00 per 100; extra special, \$25.00.

Laurel Wreathing, No. 1, per yd., 6c; No. 2, per yd., 5c.

Magnolia Leaves, green and brown, baskets contain 800 to 1000 leaves, \$2.50 per basket.

Boxwood, in 50-lb. cases, \$7.50. **Green and Bronze Galax**, \$6.50 per case of 10,000. **Green Leucothoe**, \$6.00 per 1000. **Bronze Leucothoe**, \$7.50 per 1000.

XMAS RED RIBBONS

(Latin talle a) quality same as our famous Killarney and My Maryland. 1905—No. 2, 3cc; No. 5, 5cc; No. 7, 65c; No. 9, 75c; No. 12, 90; No. 16, \$1.10; No. 22, \$1.30; No. 40, \$1.60. **Red Baby Ribbon**, 40c per spool. **Red Cords**, No. 1093, \$3.50 per gross. **Red Cords**, No. 1096, \$6.00 per gross.

CREPE PAPER, IN MORTELLES, ARTIFICIAL POINSETTIAS in act anything in Xmas novelties.

Our General Catalogue for the Asking.

Open 7 a. m., close 6 p. m.

Not open for business on Sundays

Not responsible for flowers after delivery to express company.

S. S. Pennock-Meehan Co.

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1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 14		Dec. 14		Xmas Prices		Dec. 14	
ROSES								
Am. Beauty, Fan, and Sp.	35.00	to 50.00	30.00	to 35.00	75.00	to 100.00	40.00	to 50.00
" Extra	25.00	to 35.00	25.00	to 30.00	50.00	to 60.00	30.00	to 40.00
" No. 1	20.00	to 25.00	15.00	to 20.00	25.00	to 40.00	15.00	to 20.00
" Lower grades	8.00	to 15.00	4.00	to 12.00	15.00	to 20.00	6.00	to 10.00
Bride, 'Maid, Chateaux, F. & S.	8.00	to 10.00	6.00	to 8.00	.....	to 20.00	6.00	to 12.00
" Low. gr.	4.00	to 6.00	4.00	to 6.00	10.00	to 15.00	4.00	to 5.00
Killarney, Fan, & Sp.	8.00	to 10.00	6.00	to 8.00	.....	to 25.00	8.00	to 12.00
" Lower grades	4.00	to 6.00	4.00	to 6.00	10.00	to 20.00	4.00	to 6.00
Richmond, Fancy & Special	8.00	to 10.00	6.00	to 8.00	.....	to 25.00	8.00	to 10.00
" Lower grades	3.00	to 6.00	4.00	to 6.00	15.00	to 20.00	.....	to 6.00
My Maryland.	6.00	to 8.00	4.00	to 6.00	5.00	to 25.00	6.00	to 8.00
CARNATIONS, Novelties and Fancy								
" Ordinary	.....	to 2.00	2.00	to 3.00	4.00	to 5.00	.....	to 2.00
MISCELLANEOUS								
Chrysanthemums, Fancy	.....	to 15.00	15.00	to 20.00	20.00	to 25.00	.....	to 15.00
" Ordinary	.....	to 8.00	8.00	to 12.00	8.00	to 10.00	.....	to 8.00
Cattleyas	.....	to 12.00	.....	to 15.00	.....	to 20.00	.....	to 12.00
Lilies	12.50	to 16.00	12.50	to 15.00	15.00	to 20.00	.....	to 12.00
Lily of the Valley	.....	to 4.00	3.00	to 4.00	4.00	to 5.00	.....	to 4.00
Violets	75	to 1.50	.50	to .75	1.50	to 2.50	.75	to 1.00
Mignonette	.....	to 3.00	.....	to 3.00	3.00	to 4.00	.....	to 4.00
Sweet Peas	.....	to 1.00	.....	to 1.00	1.00	to 1.50	.50	to 1.50
Roman Hy. Paper Whites	1.00	to 2.00	2.00	to 3.00	3.00	to 4.00	1.00	to 3.00
Stevia	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25	1.00	to 1.50
Gardenias	.....	to 30.00	.....	to 30.00	.....	to 50.00	30.00	to 50.00
Adiantum	1.00	to 2.00	1.00	to 1.50	.....	to 1.50	1.00	to 1.50
Smilax	12.50	to 15.00	15.00	to 20.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

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48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

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Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
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Selling Agent for the Largest and Best
 Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

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Florists' Association,
 Inc.

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
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Moore, Hentz & Nash

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We manufacture all our

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Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

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ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
 Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m. **CUT FLOWERS**

Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 11 1909		First Half of Week beginning Dec. 13 1909	
American Beauty, Fancy and Special.....	20.00	to 35.00	30.00	to 40.00
" " Extra.....	12.00	to 20.00	12.00	to 25.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Bride, 'Told, Golden Gate, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killsney, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Richmond, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 5.00
Fly Maryland.....	1.50	to 10.00	1.50	to 10.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 4.00
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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 11 1909	First Half of Week beginning Dec. 13 1909
Cattleyas	40.00 to 75.00	40.00 to 75.00
Lilies	6.00 to 8.00	6.00 to 8.00
Lily of the Valley	2.00 to 5.00	2.00 to 5.00
Narcis. Paper White	1.50 to 2.00	1.50 to 2.00
Chrysanthemums	8.00 to 15.00	8.00 to 15.00
" Lower Grades.....	5.00 to 6.00	5.00 to 6.00
Violets.....	.40 to .75	.40 to 1.00
Sweet Peas (per 100 bchs)	6.00 to 10.00	6.00 to 10.00
Gardenias	15.00 to 35.00	15.00 to 35.00
Adiantum	50 to .75	50 to .75
Smilax	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings	16.00 to 25.00	16.00 to 25.00
" " & Spon (100 bchs).....	20.00 to 25.00	20.00 to 25.00

Flower Market Reports.

(Continued from page 845)

The past week has
INDIANAPOLIS been a rather quiet one, there being a decided falling off in trade since Thanksgiving. A few weddings and a number of debutante parties created quite a demand for fancy stock which at times was difficult to secure. Chrysanthemums have about dropped out, but those who still have some to cut are realizing good prices for them. An increased demand for roses and carnations is noticed, the quality and quantity of which is sufficient for all inquiries. Sweet peas are more plentiful, also narcissi and Roman hyacinths. Stevia is a welcome addition and quantities are being used. Violets, orchids and lily of the valley have been in heavy demand mostly for corsages. The prospects for a good crop of everything for Christmas is very encouraging. Quite a liberal quantity of poinsettias are to be had around this vicinity. There is already considerable activity in Christmas greens, but we are only at the beginning of the Christmas season and must not anticipate. Galax, magnolia and leucothoe sprays are being handled in large quantities at the present time. Green goods of all descriptions are in good demand with supply ample.

Business is in the
NEW YORK customary languid condition which we have learned to expect during the two weeks preceding Christmas. The stock offered is of exceptional quality as a rule, but that doesn't appear to help it to move. The receipts on some lines have been light—due in part to a spell of colder weather—and consequently the accumulation in wholesale hands

has not been so unwieldy as it would otherwise have been. Price quotations are low enough for the season and to place them at a still lower figure would be of no advantage, but gross returns to the growers will be found to bear little relationship to quoted values as the dealers in those quarters where best grades are usually called for are buying but very little—"from hand-to-mouth" as it were. It is in evidence on all sides that My Maryland has almost completely eclipsed the old favorite Bridesmaid rose at the present time, and White Killarney is also blocking the way for Bride to a considerable extent, although the latter is seen in unexcelled quality. Violets and lily of the valley have never been finer and the same is true of lilies and callas. Gardenias and cattleyas are in very light supply. The flower growers are certainly to be credited with placing before the buyers a very varied and high class selection, and should the flower trade fall short at Christmas this year the blame must be placed elsewhere than on the character of the goods. We hope nobody will attempt to swell his income by "salting down" his flowers in advance of the holiday.

Conditions im-
PHILADELPHIA proved a little the past week, the demand being good all along the line with some stiffening in the prices—especially so in the carnation mar-

ket. Roses continue of excellent quality and remain fairly steady at quoted rates. There are still a few chrysanthemums coming in, the most conspicuous varieties being Jennie Nonin and Bonnaillon. Poinsettias have made their advent, and are being favorably received. Christmas prices will go into effect on the 22nd. These run about the same as last year on most items. Advance bookings seem to indicate every confidence in a fine holiday demand. There has been a scramble for greens during the past few days in consequence of freight delays. This has affected particularly the supplies of boxwood sprays and loose lycopodium.

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ARAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

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A. Leuthy, Roslindale, Mass.
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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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Ralph M. Ward & Co., New York, N. Y.
Japanese Bamboo Canes.

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Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standard. Write for list. Julius Roehrs, Rutherford, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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BEGONIAS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOOKS—Continued

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New England Nurseries, Inc., Bedford, Mass.
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Bermuda Lillies.
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Lily Bulbs, Horseshoe Brand.
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Berrydale Experiment Gardens, Holland, Mich.
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CALCEOLARIAS WANTED

Knight & Struck, New York, N. Y.
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CANNAS

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Carnations for Immediate Delivery.
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Sangamo and Conquest.
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Field Grown Carnations.
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New Carnation Constant.
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Cottage Gardens Co., Queens, L. I., New York.
Carnations Alma Ward and Mrs. C. W. Ward.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Gaithersburg, Ill.

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CHRISTMAS SPECIALTIES FOR FLORISTS

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CHRYSANTHEMUMS

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Chrysanthemums Rooted Cuttings.

Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUM STOCK PLANTS. at reduced price for this week, to clear benches. Golden Glow, Pacific Supreme, G. S. Kalb, October Frost, Polly Rose, Early Snow, Clem. Touse, Ivory, Byron, W. Bonaffon, White Cloud, Merza, Glory of Pacific, Roserie, P. Ivory, Duckham, Dr. Enguehard, Monrovia, Halliday, Pitcher, Bonaffon, Baby etc., at 3c.; Poehlmann, Golden Eagle, 5c.; Gloria, 10c.; Baby Margaret 15c. Send for list of 50 varieties. Stafford Floral Co., Stafford Springs, Conn.

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CHRYSANTHEMUMS — Continued

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Mrs. Kalb, Estelle, White Bonnaillon,
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Glory of Pacific, Maud Dean, Pink Ivory,
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Halliday, Yellow Jones, Golden Glow,
Baby, 50 cents per doz.; \$4.00 per 100.
Golden Eagle and Baby Margaret, \$1.50 per
dozen; \$10.00 per 100. William Swayne, P.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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CINNAMON VINES—Big stock, extra large bulbs. C. Betscher, Canal Dover, O.

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Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

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On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Peters & Reed Pottery Co., Zanesville, O.
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Ever Ready Flower Pot Cover Co., Buffalo, N. Y.
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Galax and Leucothoe.

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G. A. Holder, Round Peak, N. C.
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T. J. Ray & Co., Elk Park, N. C.
Galax, Ferns, Leucothoe, Etc.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums Ricard, S. A. Nutt, Buchner, from 2 and 2½ in. pots, extra fine lot of strong, cool-grown plants; \$2.25 per 100; \$20.00 per 1000; and mixed \$2.00 per 100, \$18.00 per 1000. J. R. Brooks, Oxford Depot, Orange Co., N. Y.

Geraniums, Nutt, \$12.50 per 1000; Ricard, Poltevine, \$15. A. M. Herr, Lancaster, Pa.

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J. L. Moore, Northboro, Mass.
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Surplus stock of choice named gladioli. Also bulbs and bulbets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

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Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

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Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pommeret, Prop., Amelia, O. Largest gold fish hatchery in the world.

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Pecky Cypress for Benches.
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- Broadway Iron Foundry Co., Cambridge-
port, Mass.
Greenhouse Castings.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
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- Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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- Hitchings & Co., 1170 Broadway, New York.
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- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

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HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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- Michigan Cut Flower Exchange,
88 and 40 Broadway, Detroit, Mich.
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- Pittsburg Cut Flower Co., Ltd.,
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- New England Nurseries, Bedford, Mass.
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HOLLY

- Holly wreaths. Box holly. Holly wreaths
a specialty, in large and small quantities.
Selected box holly. Write for prices. H. E.
Conwell, Milton, Del.

HOSE

- Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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HOT-BED SASH

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- Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.
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- Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co.,
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
ELLWANGER & BARRY, Rochester, N. Y.

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Importers, Exporters, Growers, Hybridists.
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- Ordonez Bros., Madison, N. J., Box 106.
C. Lablata: D. Biglbium Arrived.
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- Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

- PAINT AND PUTTY:** Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
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- Orchid Peat and Moss always on hand.
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New Seed.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

PLANT POTS AND JARDINIERES

Jones, McDuffie & Stratton Co., Boston, Mass.

PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of \$1.00. Barton, 110 Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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Pot hangers, Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

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F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinensis.
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Primula chinensis, 9 colors mixed, 3 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 829 Prouty Ave., Toledo, O.

Primula obconica, 4-inch, large plants, mixed colors, full of bud and bloom, \$5.00 per 100. Sinensis, 4-inch, mixed colors, double and single, fine stock, \$8.00 per 100. A bargain. Try Them. Alonzo J. Bryan, Washington, New Jersey.

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Standard Thermometer Co., Boston, Mass.

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Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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SMILAX

Smilax 2 in. Extra Strong, \$1.25 per 100; \$10.00 per 1000. Stafford Floral Co., Stafford Springs, Conn.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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AMERICAN CARNATION SOCIETY.

The schedule of premiums for the nineteenth annual meeting to be held in Pittsburgh, Pa., on January 26, 27, 1910, has been sent out. Anyone not having received a copy can procure same on application to Secretary A. F. J. Baur, Indianapolis, Ind. Secretaries of local clubs and societies, whose judges are not always expert at awarding on points will no doubt be glad to peruse the instructions to judges of seedling classes as coming from a body of expert specialists, which will be found on page 19 of the schedule.

On page 25 will be found the new section which has been added to the list this year and from which the A. C. S. expects great results. It was the aim to have in this section every variety of carnation introduced last season and the Secretary has succeeded in getting fourteen out of the sixteen varieties introduced last season. We think that it will take only a year or two to demonstrate the advantages in this arrangement and that in the future disseminators will voluntarily offer to list their varieties in this section, which it intended shall be permanent. Secretary Baur informs us that the trade is taking a great interest in the coming convention as shown by the unusually fine lot of advertising matter in the schedule.

Carnation Registered.

New carnation registered by Messrs. Stuart Low & Co., Bush Hill Nurseries, Middlesex, England: Black Chief; deep crimson seedling.

A. F. J. BAUR, Sec'y.

MORRIS COUNTY (N. J.) GARDEN- ERS' AND FLORISTS' SOCIETY.

The annual election of officers of this society took place on Dec. 8th, with the following results: President, Thos. Stokes; vice-president, John Downing; treasurer, Wm. H. Duckham; secretary, Edward Reagan; assistant secretary, Robt. M. Schultz. The executive committee for next year is as follows: A. Herrington, D. Falconer, Wm. G. Badgley, C. H. Totty, Wm. Muhlmichel, Geo. Harvey, Ernest E. Wild, John Forbes, C. J. W. Ottolander, Ernest Wise, J. A. Manda and Robt. Tyson.

Preliminary arrangements are already begun for the flower show of next year. A hall near Morristown, entirely suitable to our purposes, and large enough to accommodate any show that we could get together, can be secured and, unexpectedly and all the more gratifying of course, we find we can raise our prize list from our former figures \$500 to \$3000—quite a jump, but we are "Johnnies on the spot," and we did not hesitate to take advantage of this liberal inducement. This money is all to be given in prizes and we want the people who put the money up to get a good show. The premiums will be big enough for the exhibitors to come a long way to get them and we want them to come. The people of Morristown want a good show, are willing to pay for it, and now it is up to us to give it to them. The following committee has charge of the work, with power: A. Herrington, Wm. H. Duckham, H. B. Vyse, John Downing, C. H. Totty and R. M. Schultz.

The 14th annual smoker will be held in Madison on Jan. 12th at 8 p. m. The committee in charge is the same as in the past thirteen years, and we look for a good time. In fact, if we don't get it, it will be our first time to be disappointed.

E. R.

NORTH SHORE HORTICULTURAL SOCIETY.

At a special meeting, December 10, a charter for incorporation having been received from the state, the old society was dissolved, its rights and property taken over by the new organization and the charter was accepted, the Constitution and By-Laws adopted, and the North Shore Horticultural Society, Inc., began its career.

The officers are: James Salter, president; Dr. Waldo H. Tyler, vice-president; John D. Morrison, secretary; James McGregor, treasurer; James Scott, librarian; executive committee, Wm. Till, Joseph Clark, Wm. Swan, Eric H. Wetterlow, George Gordon.

At the next meeting, December 17, Prof. Waugh of Massachusetts State Agricultural College will lecture on "American Landscape Gardening."

AMERICAN PEONY SOCIETY.

The 1910 meeting of the American Peony Society will be held in June next at Horticultural Hall, Boston, Mass. The exhibition will be held in connection with the regular Peony show of the Massachusetts Horticultural Society; the exact date will be announced later.

A. H. FEWKES, Secretary.

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Beaven E. A. 897	Kentucky Tobac-	Siggers & Sig-	Wants, For Sale. 903
Berrydale Experl.	co Product Co. 904	gers 907	Ward R. M. & Co. 885
Gardens 885	Kervan Co. 896	Skidelsky & Ir-	Waterer J. &
Bobbink & At-	Kessler P. F. 896	win 875	Sons 887
kings 886	King Cons. Co. 907	Slinn B. S. Jr. 896	Welch Bros. 894
Boddington A. T. 876	Knight & Struck. 886	Smith E. D. & Co. 875	Wilson 892
Boston Cut	Knopf Chas. 875	Smith W. & T. Co. 876	Winterson E. F.
Flower Co. 883	Krick W. C. 897	Smyth Wm J. 882	Co. 894
Boston Florist	Kriessell Bros.	Standard Plate	Wood Bros. 875
Letter Co. 884	Co. 907	Glass Co. 907	
Boston Plate &	Kuebler Wm. H. 896	Stearns A. T.	Yokohama Nur-
Window Glass		Lumber Co. 907	series 887
Co. 907	Lager & Hurrell 889	Stoothoff H. A. 905	Young A. L. 897
Bowe M. A. 892	Langjahr A. H. 896	Stumpp & Wal-	Young & Nugent. 892
Breck J. & Sons. 891	Leesley Bros. 876	ter Co. 905	
Breitmeyer's J.	Leonard Seed Co. 891	Sutton & Sons. 890	Zangen O. V. 891
Sons 892	Lenthay A. & Co. 888	Syracuse Pottery	Zinn Julius A. 893
Bridgeman's Seed	Lord & Burn-	Co. 903	Zvolanek A. C. 891
Warehouse 891	ham Co. 908		
Brinkley, D. S. 884			
Brown A. C. 875	McCarthy N. F.		
Burpee W. A. & Co. 880	& Co. 897		
Buxton, D. A. 907	MacMullin E. 892		
Co. 907	Maples Rustic		
	Works 893		
Caledonia Mar	Matthews 893		
Co. 905	McConnell, Alex. 892		
Carrillo & Bald-	McCullough's J.		
win 889	McKellar C. W. 894		
Chapmaney 893	McKissick W. E.		
Chicago Carna-	& Bros. 894		
tion Co. 875	McManus Jas. 896		
Clarke's D. Sons. 892	Mellstrom T. 889		
Cook, John. 888	Meyer J. C. & Co. 897		
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Cowee W. J. 897	Michigan Cut		
Craig, Robt., Co. 874	Flower Ex. 897		
Crawbuck G. W. 896	Millang Bros. 896		
	882-896		
Danker F. A. 892	Millang Frank. 896		
Dards 893	Miller E. S. 887		
Dawson Henry S.	Moninger J. C. Co. 907		
876-886	Moore, Hentz &		
De Nave, Paul. 889	Nash 896		
Dingee & Conard	Moore J. L. 876		
Co. 876	Morse C. C. & Co. 891		
Dorner & Sons	Murray Samuel. 892		
Co. 875			
Dow Geo. E. 891	N. E. Nurseries. 876		
Drer H. A. 889-906-907	Niessen Leo Co. 894		
Dunlop John H. 892			
Durand & Ma-	Oechslin Frank. 888		
rohn 896	Ordonez Bros. 889		
Dysart R. J. 893	Ouwerkkerk P. 876		
Eastern Nurser-	Palethorpe P. R.		
ies 876-886	Co. 905		
Eble, Chas. 893	Palmer W. J. &		
Edgar W. W. Co. 889	Son 892		
Edwards Folding	Park Floral Co. 892		
Box Co. 894	Parshelsky Bros. 907		
Ellott W. &	Patten & Co. 875		
Sons 885	Peacock Dahlia		
Esler J. G. 907	Farms 885		
Ernest W. H. 906	Pennock-Meehan		
Ever Ready	Co. 895		
Flower Pot Co. 884	Perkins St. Nur-		
Eyres 892	series 888		
	Peters & Reed		
Farquhar R. &	Co. 906		
J. & Co. 885	Peterson J. A. 887		
Fiske H. E.	Pierson A. N. 885		
Seed Co. 891	Pierson F. R. Co. 888		
Foley Mfg. Co. 907	Pierson U-Bar Co. 908		
Ford Bros. 876	Poehlmann Bros. 894		
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Froment H. E. 896	Co. 893		
	Pratt B. G. Co. 905		
Galvin Thos. F. 893	Pulverized Man-		
German Kali	ure Co. 904		
Works 905			
Greater N. Y.	Ray, T. J. & Co. 884		
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Grey T. J. Co. 891	Reed & Keller. 896		
Gude Bros. Co. 882	Reinberg Peter. 894		
Guttman Alex J. 896	Reuter S. J. & Son. 875		
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Hall Association. 907	Rice M. & Co. 884		
Hartmann Hjal-	Rickards Bros. 891		
mar & Co. 891	Robinson & Co. 883		
Hauswirth 892	Rock Wm. I. Co. 892		
Heacock Jos. Co.	Roehrs Julius Co.		
887-889	885-886-889		
Herbert 875	Roland, Thos. 888		
Hews A. H. & Co. 906	Rolker A. & Sons. 906		
Hilfinger Bros. 906	Rosens 897		
Hill, The E. G. Co. 875	Rosin & Co. 889		
Hitchings & Co. 908			
Hoerber Bros. 894	Sander & Son. 889		
Hoffman 892			

CHICAGO NOTES.

Weather Erratic and Discouraging.

If weather conditions have as much to do with regulating the supply and demand for Christmas plants and flowers as some florists are inclined to think, then everyone will have a share of the kind he regards most favorable. The storm we reported a week ago to have just reached Chicago was a genuine blizzard of fair proportions, and raged Sunday and Monday. Tuesday the thermometer dropped to four below zero and continued in that vicinity constantly for three days, warming up the last of the week and ending with a rain Sunday. This is the fifth successive rainy Sunday and those who look to that day for heavy sales are feeling decidedly blue.

Wm. H. Gast has opened a new retail store at 2556 Linden place, opposite Logan Square station.

The scarcity of bouquet greens is very marked. The price asked this week is \$11 a crate and very little obtainable even at this price.

Personal.

Mr. A. E. Hunt, a grower in Evanston, with offices at No. 60 Wabash avenue, Chicago, was a passenger of a Chicago and Northwestern train which was wrecked at the limits of Chicago, Sunday, December 12th. He was badly shaken up and cut by the broken glass, but is not thought to be seriously injured. He is confined to his home.

Recent visitors: G. B. Dobremysl, representing Frank Darrow, New York; E. Amerpohl, Janesville, Wis.; Mr. Shepherd of C. W. Shepherd Co., Joliet, Ill.; J. Aldous, Jr., Iowa City, Iowa; W. H. Drake, Colfax, Iowa; Geo. W. Jack, with A. C. Brown, Springfield, Ill.; J. R. Detweiler, Enid, Okla.; A. L. Glaser of Dubuque, Iowa; E. E. Shed, Valparaiso, Ind.; E. E. Scott, Garfield, Wash.; Swan Peterson, Gibson City, Ill.

HELP WANTED

GARDENER—Married man, positively no children, to take care of small lawn and orchids, and fine stove house plants, in private conservatory located in central residence section of Philadelphia. Best references required as to ability and character. Apply to Louis Burk, Girard Ave. & Third St., Philadelphia.

SITUATIONS WANTED

SITUATION WANTED—As foreman or manager, on a commercial establishment, where roses, carnations, chrysanthemums are grown. I have had years of experience and always produced good salable stock; am used to all kinds of floral work and accustomed to manage help; will be pleased to know of any party requiring the services of a good all around man, married. Address, Box 276, Bar Harbor, Maine.

A THOROUGHLY competent Gardener and Florist wants to change his position; good commercial or private place required, or would go in partnership with somebody. Address P. O. Box 95, Cambridge, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 80 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

LENOX HORTICULTURAL SOCIETY.

The annual meeting of the Lenox Horticultural Society held December 4, 1909, was largely attended. Letters were read from the judges of our fall exhibition, congratulating the members upon the magnificent display, special praise, however, being bestowed upon the plant group and vegetable collections. The treasurer and secretary read their annual reports, which showed the society to be in a very flourishing condition, financial and otherwise. Special applause greeted these announcements and everyone agreed that this had been a banner year in the annals of the society.

The following were unanimously elected officers for the ensuing year: George Foulsham, president; George Breed, vice-president; Walter Jack, treasurer; George H. Instone, secretary; and Joseph Pybus, assistant secretary. Before leaving the chair, President A. Jenkins thanked the members for their loyal support during his tenure of office and trusted the same good fellowship would always exist amongst the members. A rising vote of thanks was accorded the retiring officers, after which the newly elected ones were installed in their respective stations. After business had been concluded, refreshments were served. The rest of the evening was enlivened with speech-making, recitations and singing. A most enjoyable time was brought to a close just before midnight by singing "Auld Lang Syne."

GEORGE H. INSTONE,
Secretary.

ALBANY (N. Y.) FLORIST CLUB.

A large attended meeting of the Albany Florist Club was held on Thursday, December 2nd. The committee on the flower show reported that it was a good financial success for a first show. Election of officers for the ensuing year resulted as follows: President, Fred Goldring; vice-president, John N. Sambrook; treasurer, L. Menand, Sr.; secretary, F. A. Danker; trustee three years, Fred Henkes. One new member was elected. Four applications received.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

**Furnishes the
Most Nicotine for the Money**

By far the
CHEAPEST.

JUST NOTE PRICE!

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
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THE KENTUCKY TOBACCO PRODUCT CO., **Louisville, Ky.**

Pint.....	\$ 1.50
1/4 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

THE SOLUBLE OILS FOR SAN JOSE SCALE.

Editor of HORTICULTURE:

I have read with interest the article in your issue of Dec. 11th, under the heading, "Controlling the San Jose Scale." I wish to take exception to a few of the statements made in this article. It states: "It is true that where no spraying is being done for it (referring to the Scale) or where the wrong material, such as the soluble oils or too greatly diluted commercial preparations of any kind are being used—it is not being controlled."

I will also quote from this article as follows: "It is necessary in spraying that the proper solution be used." Then referring to some party who sprayed 22,000 trees with an oil solution and practically every tree had been killed.

The writer happens to be in touch with fruit growers in all parts of the country, especially as pertaining to the territory in which is found San Jose Scale and other scale insects. In a recent conversation with one of the very large Pennsylvania fruit growers, located near the Pennsylvania Experiment Station, the fruit grower in question made the statement that for fall spraying he was so decidedly in favor of a properly made soluble oil that he would not use the lime-sulphur wash if it cost him nothing. He had used very extensively both the lime-sulphur wash and soluble oils, and he made the further statement that the soluble oils, if properly made, did more in controlling the scale in one season's spraying than he had ever been able to do in four or five seasons' spraying with the lime-sulphur wash.

In the past few weeks a number of the large fruit growers' associations have sent out circular letters to the effect that after five or six years of persistent spraying with the lime-sulphur wash, they had found it impossible to effectually destroy the scale in badly infested sections by the use of the above mentioned material.

In one of the states where fruit is grown the most extensively, the growers, after two or three years of thorough and careful experimenting, are using the soluble oils, and have even gone so far as to put up a plant for the purpose of attempting to make their own soluble oil, the results being so much better than they obtained with the lime-sulphur wash.

It is safe to assume that the sales of soluble oils—properly made soluble oils—are this year at least five times greater than any year before.

It is a significant fact that many large nurserymen who have thorough-

ly tested out the matter and who use anywhere from 20 to 100 barrels a season, have decided definitely on the use of soluble oil, and give the other material mentioned no consideration whatever.

All unprejudiced growers realize that properly made soluble oils have come to stay, and thorough tests have proven that they are much more effectual in destroying the scale than the lime-sulphur wash.

It is not the intention to endeavor to represent that the lime-sulphur wash is not worthy of consideration, for it is, but more largely as a spray for use in the spring, and quite largely for its fungicidal value.

As to the question of injury by the use of oil, there have been some worthless products put on the market that have never deserved the name of soluble oil, as they were more nearly a combination of ammonia, rosin and alkali, and such oils are injurious, especially on peach trees when sprayed in the spring; but this has no bearing on the value of a properly made soluble oil as a scale-destroying spray.

It is my opinion that such an article as that you published in your paper is decidedly misleading, as more growers are every year trying the soluble oils, and more growers are adopting their use as scale-destroying remedies, and the writer is of the opinion that more illustrations of saved orchards through the use of soluble oils can be offered than could be shown from the use of the other wash. **F. G. STREET.**

Rochester, N. Y.

AN APHINE TEST.

The Geo. E. Talmadge Co., Inc., gave an interesting demonstration on December 13 at 50 West 28th street, New York, of the efficiency of Aphine as an insecticide. This preparation, which has now been on the market for some time and giving excellent results, as testified to by many growers of high repute, has been working irregularly of late and complaints of injury to plants have been coming in to the office of Mr. M. C. Ebel from some who have been using it. Investigation disclosed the fact of unaccountable carelessness in the mixing of the ingredients at the factory in Madison, N. J., and the result has been the discharge of Mr. Talmadge, who has hitherto had entire control of the manufacture. Mr. Ebel, who is the responsible financial head of the concern, has undertaken to undo the mischief, replace the spurious article with the proper compound and maintain the recognized virtues of the insecticide by careful compounding. The demonstration at New York was

in pursuance of this object and it is understood that a similar test will be made at Boston, where large quantities of the liquid have been sold—directly after the holidays.

In compliance with Mr. Abel's published request portions of plants infested with green fly, scale, mealy bug, etc., were supplied by various growers and there was no question but what the solution destroyed all the insects with which it came in contact, and without any apparent injury to the foliage. White chrysanthemums and other flowers thoroughly soaked with the liquid showed no indications of discoloration, and altogether the test was quite convincing to those who were present.

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —
Pulverized Manure Co.
31 Union Stock Yards **CHICAGO**

Which Spray Pump?

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as **DEMING SPRAYERS** and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
331-335 Franklin St., Boston

SPRAYED

POTASH

The German Kali Works have talked Potash and its benefits for twenty-five years. They have never sold a pound direct to local agents or farmers.

You know how hard it was to buy and get Potash. Things have changed. The mines are now producing enough to enable us to offer

POTASH FOR SALE

in carload lots of twenty tons, to local dealers without interfering with the requirements of those to whom we have sold Potash to be used in mixed goods. We have, therefore, established a Selling Agency in Baltimore, Md., and in **Delivery Guaranteed** 1910 will sell all potash salts in carload lots for cash, direct from the mines to the buyers in original sealed bags, or kainit in bulk, at lower rates than were ever before quoted.

Potash Pays

You can buy the real potash salts—plant food without fillers or make-weights—you save all the money you have been spending for interest, freight, excessive profits on fillers and mixing charges.

For particulars and prices write to

GERMAN KALI WORKS, Continental Building, Baltimore

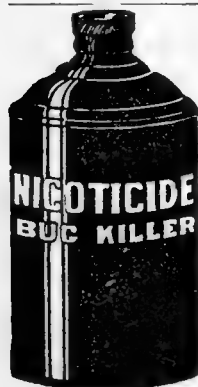
KILMDEAD
The best of all
the tobacco
dusts for



Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St., New York.



The Best
Bug Killer and
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For PROOF
Write to

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Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

250 PAGE CATALOG FREE WRITE TO-DAY
THE HOME CORRESPONDENCE SCHOOL
Dept. H. A., Springfield, Mass.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are sold by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water.

Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



Not genuine
without it.

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind
Tobacco Powder

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y.

AGRICULTURAL LIME

Especially prepared for the soil. All ready to apply with drill or otherwise. It is fine, dry, pure, bulky, and cheap. Results guaranteed. Ask your fertilizer dealer or write

CALEDONIA MARL CO., Caledonia, N. Y.

GREENHOUSES BUILDING OR CONTEMPLATED.

Hermantown, Minn.—Hanron, one house.

Lake Forest, Ill.—L. W. Swift, palm house.

Sterling, Ill.—Frank & Son, one house.

Port Huron, Mich.—Gene Chase, one house.

Onset, Mass.—J. G. Burrows, one house 8 x 30.

Birdsboro, Pa.—Robert E. Brooks, conservatory.

Wakefield, Mass.—C. C. Ball, one house, next spring.

North Pelham, N. Y.—H. P. Wagner, four houses, 20x125.

White Plains, N. Y.—White Plains Nursery Co., range of houses.

Washington, D. C.—Chas. P. Grose, 723 17th St., house 18x110 ft.

S. Royalston, Mass.—E. B. Hanson, three cucumber houses 30 x 150.

Greensburg, Ind.—John T. Dille and William C. Konzelman, four houses 145 ft. long.

Newburgh, N. Y.—Henry C. Spengler, Jr., at Cohecton Turnpike one house 30 x 100.

AN EXPLOSION.

On the morning of December 9, an explosion in the hot water boilers of Edgar Bros., at Waverley, Mass., did considerable damage to the heating apparatus and glass, and for a time the stock in the houses was in danger of ruin from the cold weather. Neighbor Peirce proved his neighborliness by securing for Messrs. Edgar, after a big hustle, temporary heating apparatus just in time to save the plants. The explosion was not due to any defect in the boilers, but to neglect to open the valves when building the fire.

FIRE RECORD.

Nonantum, Mass.—Fire caused by an overheated furnace caused a loss of about \$100 to the greenhouse of John McCarthy.

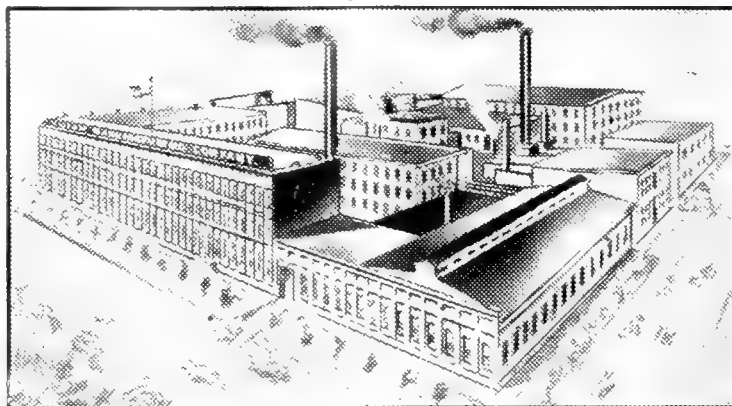
Rockport, Me.—Fire destroyed the greenhouses of George Glarentzel, just over the Camden line, on Dec. 2. The Atlantic Engine Co. of Camden responded early, but the greenhouses were a total loss, with no insurance. The ell of the house was destroyed and this was insured. The fire caught around the heating apparatus of the greenhouses.

INCORPORATED.

Yankton, S. D.—George H. Whiting Co. Nurserymen.

Glastonbury, Conn.—J. R. Morgan & Co. Nursery and florist business. Capital, \$30,000.

The Pioneer Manufacturers of Plant Tubs



AMERICAN PLANT and TREE TUB



No.	Top	Deep	Price
A	8	9	\$.45
B	11	9	.50
C	11	12	.65
D	12	12	.85
1	13 1/2	12	1.00
2	14 1/2	14	1.25
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4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 3/4	24	5.50

The American Woodenware Mfg. Co.
Toledo, O.

Sold by H. E. Fiske Seed Co., 12 Faneuil Hall Sq., Boston
Schlegel & Fottler Co., 26 and 27 So. Market St., Boston

Established in 1863. Incorporated as Union Mfg. Co., 1867. Incorporated as American Woodenware Mfg. Co. in 1902.

Send for Catalogue of Cedar Plant and Tree Tubs, Brass Bound Jardineres, etc.

The American Wooden-Ware Manufacturing Co., TOLEDO, OHIO

PATENTS GRANTED.

- 942,177. Flower Pot Holder. Charles H. Keitsch, Buffalo, N. Y.
942,559. Quack Grass Digger. James Hopkins, Boardman, Wis.
942,744. Weed Cutter and Cultivator. Marcellus Pruyn, Sacramento, Cal.



DREER'S
Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
1/2 inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2 inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

All the Clay for our
FLORISTS' RED POTS
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO., Zanesville, Ohio.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 4 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
500 5 1/4 " " " 5.25	120 7 " " " 4.20
1500 5 3/4 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 3/4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 1/2 " " " 5.24	24 11 " " " 3.60
380 5 " " " 4.51	24 12 " " " 4.80
250 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 81 Barclay St., N. Y. City.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 50 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

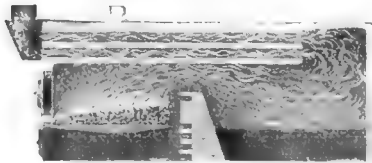
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452-460 No. Branch St.
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KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

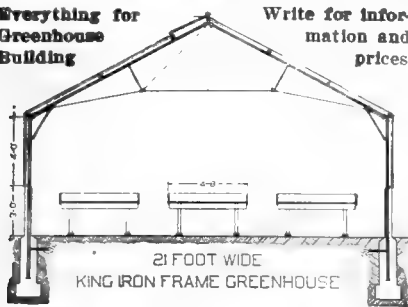
Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Everything for
Greenhouse
Building

Write for infor-
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In Widths from 14 feet 0 inches to 54 feet 0 inches.
Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.



The Advance Ventilating Machine

is the machine that is superior
to them all.

It is the easiest operated.
It will outlast two other makes,
because it is built right and of
the best material, in fact there
is no wearing out part in it, be-
cause it is built that way.

We have one price which we
give to all.

Send us your trial order, we
know that you will be pleased
with our machine.

The Advance Co.
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CYPRESS SASH BARS
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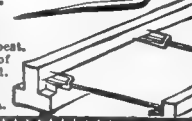
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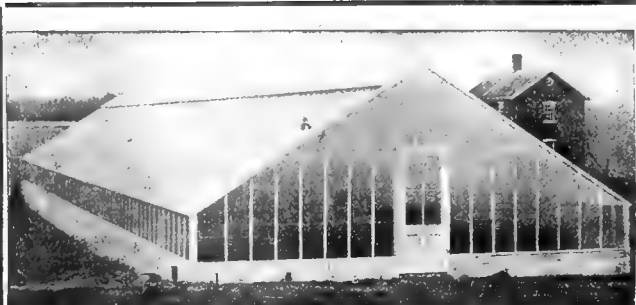
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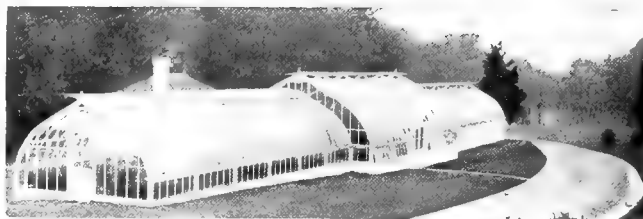


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They are worth all they cost in overcoming the shading of one house by another.

You gain additional valuable benchroom.

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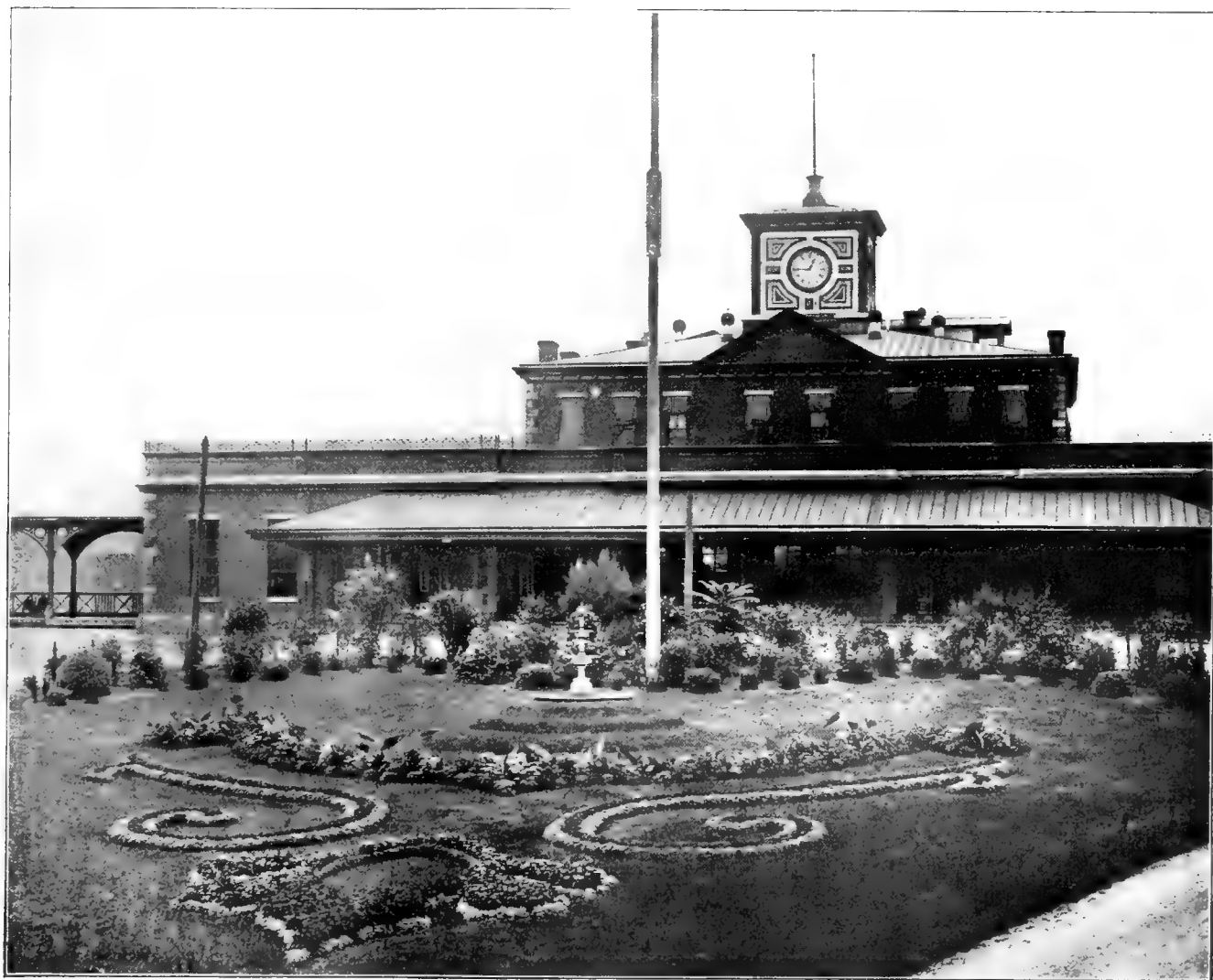
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NUMBER ONE
MADISON AVE.
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HORTICULTURE

Vol. X DECEMBER 25, 1909 No. 26



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2½ ft....\$1.00 each	4½ ft....\$3.50 each
3 ft.... 2.00 each	5 ft.... 4.00 each
3½ ft.... 2.50 each	5½ ft.... 5.00 each
4 ft.... 3.00 each	6 ft.... 6.00 each

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We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases.

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes, and any quantity.

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In all bright colors; fine forcing varieties; good value. \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.

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	Per doz.	Per 100
Azalea Mollis	\$ 4.50	\$35.00
Deutzia Gracilis, pot		
grown	2.00	15.00
Double Flowering Cherry	15.00	
English Hawthorn, double		
scarlet	12.00	
Lilac Charles X, Marie Le		
Grave, extra size, for		
8-9 inch pots.....	10.00	
Malus, Flowering Crab..	12.00	
Prunus Triloba, Standard	15.00	
Prunus Triloba, Bush....	9.00	
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Viburnum Opulus	6.00	
Weigela Eva Rathke.....	12.00	
Wistaria, blue	12.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for		
window boxes, 12-15		
inches	4.00	
Aucuba, fine plants, 18-24		
inches	9.00	
Kalmia latifolia	9.00	
Magnolia, pink ..1.50 to	2.50	

ROSES

H. P. low budded, 2 yr., fine stock for forcing in pots; following varieties \$15.00 per 100, \$120.00 per 1000:

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Bauman, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, Home Grown:		
2 yr. old; 2-3 in., well		
branched, own roots...	\$2.00	\$12.00
2 yr. old; 2-3 in., well		
branched, budded.....	2.00	12.00
3 yr. old; 3-4 in., well		
branched, own roots...	3.00	15.00
3 yr. old; 3-4 in., well		
branched, budded.....	3.00	15.00
Dorothy Perkins, strong,		
field grown	2.00	15.00
Baby Rambler, Half		
Standards, 30 in. high.	9.00	
Lady Gay, 2 yr. old....		15.00
Baby Rambler, dormant,		
field grown, selected,		
budded plants		16.00
Anny Mueller, dormant		
plants, 2 yr. old (Pink		
Baby Rambler)		16.00

A visit to our Greenhouse and Nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists.

Ask for Wholesale Catalog.

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Rooted Cuttings Ready January 15, 1910

December and first part of January cuttings all sold.

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following:

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Rooted Cuttings Ready February 1, 1910

January cuttings all sold.

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Cottage Gardens Co., Inc.,

QUEENS, LONG ISLAND, N. Y.

A Few Left of the New Dawson Rambler Roses

DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

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For \$18.50 we will send you 1000, 50 each of 20 distinct kinds, in a collection on which we are willing to stake our reputation. A customer in writing this week says: "We used your Geraniums last year and had the finest collection we ever had, sold out clean, had nothing left for stock."

We have a splendid stock in 2-in. pots of the following at \$2.00 per 100. Double Lobelia Kathleen Mallard, Alyssum, Giant and Dwarf; Lemon Verbenas, Fuchsias 6 varieties, Verschaffeltii, and Golden Bedder Coleus, Lantanas 8 varieties; Ivy Leaved Geraniums 6 varieties, Scented Geraniums. Double Petunias, Mixed Colors, \$3.00 per 100. Cannas Roots, Home Grown, 1,000,000 good strong divisions at \$18.50 per 1000. King Humbert \$6.00 per 100; \$50.00 per 1000.

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Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

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FISHKILL, N. Y.

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Richmond, Indiana.

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A New Seedling Carnation of Wonderful Merit. Will be offered to the trade in February, 1910. For description, price, etc., see "HORTICULTURE," issue of November 6th.

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HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year

SHASTA

Come and see Shasta growing, and be convinced that it is the greatest money making carnation in sight today. In point of freedom it excels any variety ever introduced. Carries more buds right now than most varieties produce in a whole season. The quality is there, too. High score everywhere. 89 points at the A. C. S. meet last January. Can be seen at either Indianapolis or Tewksbury.

Booking orders now for Jan. delivery \$12.00 per 100; \$100.00 per 1000.

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New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

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CHICAGO CARNATION CO.
Joliet, Ill.

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Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

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A NEW LIGHT PINK CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

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A new carnation of great promise for 1910. Clear, pleasing pink. Every one who has seen this variety likes it.

\$12.00 per 100, \$100.00 per 1000.

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LETTUCE GRAND RAPIDS, BIG BOSTON, \$1.00 per 1000.

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Ready for Immediate Delivery

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the fall or late winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60 cents each, \$6.00 per dozen, \$45.00 per 100.
BABY RAMBLER (Half standard). Crimson. 45 cents each, \$4.50 per dozen, \$35.00 per 100.

BABY CATHERINE SELMETH (Half standard). White. 45 cents each, \$4.50 per dozen, \$35.00 per 100.
BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50 cents each, \$5.00 per dozen, \$40.00 per 100.

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We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75c. for 5 (of one variety), \$12.00 per 100, \$110.00 per 1000.

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Ball of Snow. Pure white.
Baron de Bonstetten. Dark crimson shaded.
Baroness Rothschild. Satiny pink; extra.
Captain Christy. Delicate flesh color.
Duke of Edinburgh. Bright vermilion; very fine.
Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKI. The finest white in existence.
General Jacqueminot. Rich velvety crimson.
General Washington. Beautiful red, shaded carmine.
John Hopper. Beautiful rose-pink.
La France. The finest light pink.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mme. Plantier. White.
Mrs. John Laing. Soft pink. Most desirable variety.
Paul Neyron. Beautiful dark pink.
Prince Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

American Grown. The Only Stock for Forcing
CRIMSON RAMBLER

Large heavy plants, two years old, mossed and packed in bundles of 10. 10 100
 3 to 4 feet.....\$1.25 \$12.00
 3 to 5 feet.....1.75 15.00
 4 to 6 feet, extra strong and heavy.....2.25 20.00

DOROTHY PERKINS

Shell Pink. \$1.25 for 10, \$12.00 per 100. Extra strong, \$1.75 for 10, \$15.00 per 100.

Tausendschon

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

Tausendschon (standard grown). Each 50c., doz. \$5.00, 100 \$40.00.

HIAWATHA. The flowers are single and are of a deep, intense crimson shade with the petals shading to a pure white base. Flowers very freely and is undoubtedly one of the best of the single Roses for forcing. Extra strong, two-year, field-grown, \$3.25 for 10, \$30.00 per 100.

WEDDING BELLS. A seedling of the Crimson Rambler. The most floriferous Rose yet produced. The color is white with the upper part of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. \$2.25 for 10, \$15.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2.25 for 10, \$15.00 per 100.

Baby Rambler Roses

BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. \$1.75 for 10, \$16.00 per 100.

BABY RAMBLER

(Mme. Norbert Levavasseur)

Strong field-grown plants, \$1.75 for 10, \$15.00 per 100.

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Apples 6c, Peach 5c, Plum 10c
 Cherry 15c. Best quality, good
 bearers, grafted stock, not
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 Grapes \$2.50 per 10.
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 of Vegetable,
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 Sample packet of "New
 Coreless" Tomato, the best
 of all tomatoes.
 German Nurseries,
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DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees
 and Shrubs and Hardy Herbaceous Perennials

EASTERN NURSERIES, JAMAICA PLAIN, MASS.

HENRY S. DAWSON Manager

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
 Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
 PA

HOLLAND NURSERIES

Best Hardy Rhododendrons,
 Azaleas, Conifers, Clematis,
 H. P. Roses, Shrubs, and Herba-
 ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
 P. O. No. 1, Hoboken, N. J.

Notes from the Arnold Arboretum

Though the number of new Chinese trees and shrubs mentioned and described in these notes during this year is very large, it includes by no means all of the new introductions. The numerous species belonging to well-known genera as *Salix*, *Prunus*, *Pyrus*, *Malus*, *Sorbus*, *Photinia*, *Fraxinus*, *Quercus*, *Betula*, *Rosa*, *Tilia*, *Juglans*, *Hydrangea* and many others, also many species belonging to genera mentioned in the previous issues, have not yet been noted, chiefly for the reason that we are not sure of their correct names.

As most of these Chinese plants are represented only by young seedlings we do not know much of them from a horticultural point of view except that we can gain some idea of their ornamental features from the herbarium specimens and the descriptions, but of their behavior in cultivation and of their hardiness in our climate we know little or nothing. Even this meagre information shows us that our gardens will be enriched by a large number of highly ornamental plants, some of types not yet represented in our gardens, some similar to kinds already in cultivation, but possibly superior in some way to the cultivated species; some, as the new *Rhododendrons*, *Deutzias*, *Spireas* and others will furnish valuable material for developing new types by hybridization, and in the case of some Himalayan species in cultivation for a long time, the Chinese forms recently introduced have proved hardier than the plants from the Himalayas.

In the coming year we may expect many of the new introduction to bloom for the first time and besides we shall have the experience of this winter which will give us valuable hints about the hardiness of these plants. Furthermore we shall now be able to name even those plants which have not yet flowered, as the extensive herbarium collections brought together by Mr. Wilson are now being put in order by him and will soon be available for study and for the determination of the names. The numbers of the herbarium specimens correspond with the seed numbers and thus we can find in our herbarium fruiting and in most cases also flowering specimens of the young seedling plants and these will enable us to name the plants. Besides collecting the herbarium specimens Mr. Wilson took a large number of photographs showing the trees and other plants in their native habitat and this gives us a good idea how the trees will look at full maturity.

The notes from the Arnold Arboretum will be resumed as soon as in spring the first of the new introductions begin to bloom and the effects of the past winter are discernible. These future notes will with the other information then available do much more justice to horticultural interests than it has been possible during the last year.

Alfred Rehder.

Ardisia crenulata

This splendid tree or shrub is no doubt the best berried plant we have for the Christmas holidays. Its nice dark green shiny foliage makes a fine setting for its rich red berries, and for decorative purposes it is superior even to the red-berried *solanums*. Another point in its favor is its great keeping qualities. I have known a plant to keep in good condition, in an ordinary living room, for over two years, meanwhile retaining one crop of berries until another had grown and ripened. The genus is quite large, but it is very seldom we see any varieties except *A. crenulata*, it being considered far superior to any of the others, for florists' purposes.

A. crenulata is of easy culture, although of somewhat slow growth. It is nearly always propagated from seed, but I believe a plant can be had more quickly and better from a cutting. Quite often when a plant is over three years old, it gets bare of foliage and rather "leggy." It is the custom of many to root the bushy top by girdling as described in my article on *Codiaeums*. These plants from which the tops have been removed, are excellent for getting cuttings from and they will break quite readily if placed in a good warm close atmosphere. The wood should be half ripened before being placed in the cutting bed, which is better to be rather tight, and having a top and bottom temperature of seventy degrees. If these conditions are followed, cuttings will root in a month, after which they should be transferred to small pots. The potting material should be a rather sandy loam, to which about a fourth of broken charcoal has been added. As the plant increases in size and vigor, the potting material may be enriched by adding about a fifth of sheep manure. If quick growth is desired, the plants should be kept in a moist, humid, atmosphere, the temperature being sixty-five to seventy at night.

The advantage of a cutting over a seedling will be quickly seen, the cutting branching quite near the pot, whereas the seedling will grow a few inches of stem first. As soon as the plants begin to show signs of flowering, they should be given more air, and wetting overhead should be avoided until the berries are well set, also during the summer months the glass should be slightly shaded to prevent the leaves from burning. About October 1st the berries will be well developed, and the plants may be removed to a light sunny greenhouse, the night temperature being from fifty to fifty-five degrees, giving occasional waterings with manure water. These, with a little Clay's fertilizer once in three weeks, will produce fine colored berries, and add a glister to the foliage.

I may here add that it will do no harm to the plants to let them occasionally get on the dry side; this will prevent the leaves from turning yellow, which they are liable to do if kept wet all the time. The large brown scale is the worst of the insect pests that bother *Ardisias*. To prevent, we find that sterilizing the soil helps, but if the plants get affected we use a two-inch potful of kerosene to three gallons of water, keeping well agitated while applying the mixture to the plants with a "Stott nozzle." If this is done once in two weeks, syringing the plants next day with clean water, one will soon eradicate the scale.

George F. Stewart.

West Medford, Mass.

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Merry
Christmas

HORTICULTURE extends the compliments of the season to its rapidly increasing family of readers and advertisers hoping they will enjoy the holiday season to the fullest extent; to those, as well, who are still outside the family, hoping that they will promptly recognize the wisdom of getting within the lines; to the profession at large, gardener, florist, nurseryman and seedsman, wherever his lot may be cast, hoping that everyone will have the wherewithal to procure that rare luxury of these days—a big turkey—and the keen appetite and good digestion which is due such a bird on such an occasion.

Get busy
for parcel post

We wish to record our approval of the appeal on behalf of the adoption of a parcel post system, which the Connecticut Horticultural Society has issued and which is published in full in this issue. Every line should carry conviction to the reader. It is a matter of common knowledge that the opposition of the big express monopoly is primarily responsible for the present conditions which place the American public at the mercy of those companies. If it be true, as asserted that the annual deficit of \$20,000,000 in the post office department is attributable largely to the fact that the railroad companies get about four times as much for the transfer of low-class mail matter as they do for commercial merchandise, it would seem that it is about time for the people to wake up and do something. We don't forget the lame excuse advanced by the attorney for the United States Express Co. when the S. A. F. had that concern before the Interstate Commerce Commission, that they were forced to charge exorbitant rates to their customers because of the exorbitant rates they were obliged to pay the railroads! As to what the parcel post privilege has done for horticulture in France, since its extension to shipments of cut flowers, our readers will find something worth reading and thinking about in our notes on the growth of French horticulture, which appear in another column of this paper.

Paying
the piper

Two subjects are disturbing the peace of mind of the florists around Boston at the present time. One is the avowed purpose of the Framingham board of assessors to levy a tax upon the stock of the flower growers and nurserymen of that town. The other is the failure of the Board of Public Works of Woburn to allow the horticulturists the benefit of the low water rates which manufacturing concerns enjoy. As to the Framingham affair we presume the proposed levy is in the nature of an "emergency" tax. The good people of Framingham allowed a dishonest town treasurer to steal \$150,000 of their funds and the amount must be made good somehow. Local florists, believing their growing stock is not legally taxable, do not take kindly to this proposed move on the part of the assessors and some have already engaged counsel to act in their behalf and defend their position. We have no opinion to advance on the merits of the case but will say that we are very sorry to see any additional burdens of any kind placed upon our horticultural industries. We fear, however, that this Framingham affair is only a beginning—a sort of entering wedge—and that this movement to mulct the florist to the limit is liable to prove a "rapid propagator." The popular opinion of the florists' affluence is well-known to our readers. Perhaps a little less display of automobiles and a little less newspaper rant about "harvests" and holiday profits, might tend to put off for a time the day of reckoning.

Trans-Atlantic Notes

SOME UNCOMMON ROSES

The cultivation of roses in pots has diminished somewhat, but it still forms an important branch of the florists' work and can now show a revival, in the increased attention paid to pot roses. The plants are more useful to the private gardener who possesses a limited space for his plants; and they are portable, a matter that is unthinkable with plants grown on benches without pots. At one time pot culture was a paying business, but since imported blooms have become cheap, only such varieties as grow and bloom well in pots are now grown. The raisers of new varieties have brought into commerce some of great excellence, the forcing of which may begin in October, if the previous culture has been of the right kind. Forcing in the earlier stages must be very slow and then by the end of December fine flowers are obtainable. Naturally, most of the varieties chosen should be the popular favorites in regard to color and shape; and the florist should choose such as do not readily drop their petals when sent to a distance. Of varieties not plentiful in gardens at the present time mention may be made of *Elsie von Schwichow*, a H. T. which is really a new *Caroline Testout* in habit and other properties except that the bud is longer and the color a different one—red carmine. It is mildly fragrant. The flower is good for every purpose, and may be forced early much more willingly than *C. Testout*. *Reichskanzler*, H. T. an extraordinarily large flower of a rose tint with a silvery glimmer, in form full, and with the fragrance of *La France*, is suitable for every purpose, retaining its shape to the last, and is always long-stemmed. The plant succeeds in middling heavy soil, and is 8 days in advance of all other H. T. Whether this variety is identical with *Otto von Bismarck* which some persons assert it is, remains to be proved. *Mrs. E. G. Hill*, H. T. is a flower of alabaster white and blush—a rare color, a pretty bud, full form and good fragrance; an excellent variety for cutting, requiring stiff rich soil. *Mrs. Aaron Ward*, H. T. a magnificent yellow flower of moderate size, deliciously fragrant, graceful shape, very enduring and for this reason it bears traveling without loss of petals. An excellent variety for forcing. *Mad. P. Varin Bernier*, T., light yellow, partially double with a strong fragrance. Fine large buds. The flowers if cut should be in the bud stage. The rose makes a fine subject for pot culture.

PERPETUAL FLOWERING CARNATION SOCIETY

The Horticultural Hall, Westminster, in which an exhibition of winter flowering carnations was held on Wednesday, December 8, was made very gay with these charming flowers. There appeared to be considerable improvement in the quality of the flowers, and a few new colors were seen. American carnations introduced since 1907 had a class to themselves, namely one of three vases with 12 blooms in each; and the first prize—a challenge cup—presented by the American Carnation Society was awarded to *Bell & Sheldon*, Castel Nursery, Guernsey; *Pink Delight*, *May Day* and *Winona* being among the varieties shown. First prize for a group of 12 varieties was taken by *C. F. Waters* of Deanlands, Balcombe, who staged very choice flowers of *Rose Dore*, *Mrs. C. Knopf*, *Ruby*, *Mrs. M. A. Patten*, *Mikado*, and others. In the color classes first for 25 white was taken by *W. H. Lancashire*, with *Perfection*; first for 25 salmon fell to *W. H. Lancashire* for *Rose Dore*; *Bell & Sheldon* were first in cerise with *Afterglow*. *Carnation Mary Vilden* shown by *Blackmore & Langdon*, received

an award of merit. A considerable number of carnations growing in pots formed an interesting feature of the show.

Frederick Mowbray

London, Eng.

Sweet Pea Notes

The trials and troubles of all sweet pea growers for 1909, will soon be forgotten, but at the same time many will be greatly benefited by the experience gained and a little retrospect will, perhaps, be acceptable to all intending growers for 1910.

The sowing period was anything but favorable, cold and wet land working disastrously against early sown seed, especially the white varieties, many blanks occurring because of the seeds' rotting.

With this difficulty over another and more serious stumbling block to the production of good sweet peas had to be contented with. I refer to the demon Drought, which perhaps is the most serious enemy the grower has to face. Weeks of scorching sun retarded the growth of the halum, reducing the length of stem and greatly shortening the blooming period.

This condition must impress upon all the real necessity of deep and thorough cultivation, accompanied by their sowing and facilities for giving the plants a periodical drenching (to the roots) with weak liquid manure water.

As to the best varieties to come through the trying season none did better here than *Frank Dolby*, which without doubt is the finest lavender up to date, its strong constitution, large blooms and long stems making it a most desirable variety. Coming to white, none pleases better than *Nora Unwin*. Grown side by side with that standard variety, *Dorothy Eckford*, a decided improvement is noticeable.

For the first time, here, *Primrose Spencer* came true to color, growing strongly on stout, long stems, with large blooms, stamping it as a variety which has come to stay.

Helen Lewis is still one of the best of its color and it can be highly recommended for its sturdy habit and long stem.

The bright, large, clear pink of the *Countess of Spencer* characterizes it as still head and shoulders above any other of the *Spencer* varieties which are becoming as prolific on the market as the introducer (*W. Atlee Burpee*) is becoming famous on both sides of the water. We are looking forward with no little expectancy to see how these new varieties pan out in the coming season. Again we cannot overlook the merits of the two leading scarlets, viz, *Queen Alexandra* and *King Edward*, which have been subjected to thorough trial and are still gaining in popularity as the best scarlet varieties up to date.

I cannot conclude these short notes without a word of praise to the new variety introduced last year—*Apple Blossom*—which is surely one of the best doers, with enormous blooms on giant stems. It is worthy of a trial by every grower.

I hope to supplement these notes nearer the next sowing period.

John Horn

Westerly, R. I.

NEWS OF THE CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

The annual meeting of this Society was held at the County Building, Hartford, on the 10th instant; and the following officers were elected, to serve for the ensuing year: President, John F. Huss, Hartford; first vice-president, Thomas W. Fagan, New Britain; second vice-president, J. Vidbourne, Hartford; third vice-president, C. O. Purinton, Hartford; secretary, George W. Smith, Melrose; treasurer, W. W. Hunt, Hartford; librarian, William T. Hall, Hartford; botanist and professor of vegetable physiology, George W. Smith; pomologist, C. H. Sierman, Hartford; executive committee, J. M. Adams, J. A. Weber, C. A. Helfricht, Francis Roulier, of Hartford; W. H. Shumway, of Berlin.

It is expected that vice-presidents for the several counties other than Hartford county will be elected at the next meeting.

The treasurer's report showed the Society to be in a flourishing financial condition; and the secretary reported that the present membership, 148, is the largest that the organization has ever had, to his knowledge. President Huss, in a comprehensive written statement, reviewed the principal events in our history, and the salient features of our work, during the year past, and urged all to labor for greater triumphs in the year just about to commence.

A leading feature of the meeting was the exhibition, by J. A. Weber, gardener for Walter L. Goodwin, of a half dozen beautiful and thrifty Poinsettias in pots, bearing gorgeous red bracts. Mr. Weber was awarded a certificate of merit.

A short discussion ensued concerning methods of extermination of the white fly. It was hoped that the new insecticide, Aphine, would prove effective in this direction.

At a previous meeting, the secretary was appointed a committee to draft resolutions in favor of the parcel post, and to present them for consideration by the Society. In pursuance of this request, the resolutions of approval were unanimously adopted, with a vote that a copy thereof be sent to the president of the United States, to the postmaster general, to each Connecticut congressman, and to each of the Hartford daily newspapers.

ROYAL HORTICULTURAL SOCIETY OF LONDON.

Some Orchid Awards.

At the Dec. 7th meeting of the Royal Horticultural Society, a first-class certificate was awarded for *Cypripedium Alciades Illustre* (C. M. de Kurt × C. *Leeanum giganteum*) a glorious flower. Award of merit for *Cypripedium Lion* (C. *Boadicea* × C. *Sallieri Hyeanum*.) Both the above named were shown by F. Sander & Son.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The last monthly meeting was held on December 21, and as there was a considerable amount of business no special lecture was provided, but Prof. White of the Massachusetts Horticultural College at Amherst gave a short address on the objects of the college and explained the different subjects which the students are expected to undertake. His remarks were very practical and received abundant applause. Several new members were elected. The election of officers was the principal business and after a ballot had been taken the result was as follows: President, John W. Duncan; vice-president, Peter M. Miller; secretary, W. N. Craig; treasurer, Edward Hatch. Of the several nominations for the executive committee the following were chosen: Messrs. W. E. Fischer, J. P. A. Guérineau, Thos. Pegler and H. E. Fiske.

Some very interesting exhibits were before the members and specially noted.



J. W. DUNCAN

worthy was a collection of *Zonale Pelargoniums* from Secretary Craig. The best varieties were *Richmond Beauty*, *Emile Zola*, *J. R. Barrie*, *Mrs. Brown Potter*, *Florence Leeds*, *Jacquerie*—a very fine crimson; *Lucania*—an extremely good salmon pink, and *Maxine Koralevski*—a beautiful salmon rose. The twenty-four bunches all showed evidence of high culture. F. W. Fletcher exhibited *Lopezia miniata*—a pretty greenhouse plant with coral-red flowers. A variety of well-grown *calanthes* came from Duncan Finlayson. Roses in variety came from Eber Holmes, Montrose, and a splendid vase of carnation *May Day* from Peter Fisher. President Downs announced that the annual banquet will be held on January 27.

It was urged that more members take advantage of the Landscape class and, if necessary, a sum of \$50 will be devoted to it.

HORTICULTURAL SOCIETY OF NEW YORK.

The regular monthly meeting of the society was held at the American Museum of Natural History, on Wednesday, December 8th, 1909, at 4 p. m. The lecture announced for the day was delivered by Mr. William Solotaroff: "Shade Trees in Cities." Mr. Solotaroff is connected with the Shade Tree Commission of East Orange, N. J., and is well qualified to speak upon this subject, as the following abstract of his lecture will make evident:

The speaker opened his remarks by saying that upon the arrival here of the first settlers in this country, the first idea had been to procure a shelter and obtain ground for the raising of crops. These being the main and essential things, the preservation of trees, in the laying out of their villages and towns, had not been considered of importance. This habit, thus engendered, had grown with the people, and it was only comparatively recently that the necessity of trees in cities has been appreciated. For the city is not only a place of commerce, but it is largely made up of homes, and anything which adds to its beauty, which trees certainly do, increases the value of its property. The tree, therefore, as an essential thing in the city is being recognized, and it is also becoming evident that the trees in a city must not be left to the care of the individual, but must be placed under the charge of the city itself. If left to the individual there will be many kinds of trees on the same street, a condition usually to be avoided; they will be planted in different ways and at unequal distances; the pruning will not be properly done, nor the trees systematically treated for insect and fungus pests. To insure uniformity in the planting of trees and their proper maintenance after planting, it is necessary to place the whole matter under official control. In cities where this has been done for many years, notably, for example, in Washington, D. C., the results are most satisfactory. To insure this uniform result the street must be treated as a unit; that is, only one species of tree must be employed, and the pruning must be done with a definite aim in view; to provide shade without obstructing the sidewalks or roadways, interfering with the view, or preventing the free circulation of the air.

It was the state of New Jersey which first recognized the necessity of vesting this power in a central body, and in 1893 that state enacted a law, a local option law, for the planting and care of shade trees. Passaic was the first city to adopt this law. Newark followed, and the third city to make it active was East Orange. There are now 22 cities in New Jersey which have shade tree commissions. So successful have these commissions been that other states and cities have followed the example thus set them, the state of Pennsylvania exacting a similar law in 1907.

The lecturer then exhibited a series of lantern slides, showing streets in various cities, planted as they should and should not be. The illustrations were certainly convincing. A number

of the views were taken in Washington, D. C., the speaker remarking that it was the abundance of fine shade trees and the care used in their selection and planting which made that such a beautiful city. One street shown was planted entirely with the American elm. In Indiana Avenue the oriental plane, *Platanus orientalis*, had been used, the lecturer speaking in the highest terms of this as a street shade tree. The American linden had been assigned to Massachusetts Avenue. We were then taken to his home city, East Orange, by the speaker by means of slides showing some of his own work. The results achieved in a few years were certainly most gratifying. The work has been accomplished economically, at a small expense per capita.

Mr. Solotaroff here remarked upon the importance of the choice of trees in street-planting. The desire was often for a rapidly growing tree, at the sacrifice of other more desirable qualities. The Carolina poplar was often selected on account of its rapid growth, but it was not recommended by the speaker, as its roots soon pervaded everything, filling drain pipes, lifting pavements, and becoming a nuisance generally. The soft maple was also condemned as being undesirable. The oaks were highly recommended, especially the red and pin oaks. A slide was exhibited of 12th St., in Washington, planted with red oaks, which, the speaker said, should be an inspiration to every tree-lover. The prejudice against the oaks was laid by the speaker to the fact that trees of this kind were often taken directly from the woods. This is a severe test for any tree, and especially for the oaks, as the feeding roots are a long way from the base of the stem, and are all left in the ground when the tree is dug up. In nursery-grown trees this difficulty is overcome, the constant plowing and root-pruning to which they are subjected resulting in a ball of roots close to the stem, insuring a mass of feeding roots when the tree is transplanted. A series of slides illustrated this point admirably.

The subject of the pruning of trees was discussed. A fruit tree must be pruned to produce the greatest quantity of fruit; a lawn tree to preserve its odd or peculiar shape; but shade trees in streets must be pruned a uniform height, and in such a manner as to make a compact top, at the same time retaining in so far as possible the natural habit and growth of the species. The proper methods of pruning were illustrated with lantern slides, a number portraying the disastrous results which follow pruning improperly done. Tree surgery was recommended for comparatively small wounds, but the speaker did not seem to feel so sure of it for large cavities.

The pests of shade trees formed a part of the discussion. These the speaker divided into three classes. Those which feed upon the foliage, such as the caterpillar of the tussock moth; the borers, represented by the caterpillar of the leopard moth, and third, the scale insects, including the cottony scale. Methods of spraying were described, and several forms of spraying machines illustrated.

The lecture aroused much interest,

and at its close was freely discussed by Mr. Southwick, Mr. Troy, and others.

ELBERON HORTICULTURAL SOCIETY.

The society held a meeting on Dec. 20th, '09, President Peter Murry in the chair. Chas. C. Dewild of Redbank, showed three seedling carnations. They scored as follows: white seedling, certificate of culture; red seedling, 73 points; pink seedling, 76. Arthur T. Boddington donated three medals, gold, silver and bronze for competition in points during the season. In the report of the last meeting a misinformation in the date of the carnation night was made. It will be held on January 24th, 1910.

ALEX FLEMING, Rec. Sec.

WILLIAM REID.

Secretary Elect, N. J. Floricultural Society.

We present the portrait of the successful candidate for secretary of the



WILLIAM REID

New Jersey Floricultural Society. Having served his time in one of the largest estates in Scotland, Mr. Reid emigrated to this country in search of better fields, entering the estate of Mr. J. Brown of Flatbush, L. I., as head gardener, where he served until the death of his employer. He afterwards went to the large estate of Sidney and Austin Colgate, at Orange, N. J., where he now is. Mr. Reid is a good grower and highly esteemed by employers and associates.

NEW JERSEY FLORICULTURAL SOCIETY.

The New Jersey Floricultural Society of Orange, N. J., held its annual meeting on Friday last with a very large attendance. Flowers exhibited were numerous and attracted much attention. Albert Larson, gardener for Mr. A. B. Jenkins, exhibited a very fine seedling carnation of a light red color. A preliminary certificate was awarded for it. William Reid, gardener for Sidney and Austin Colgate, showed a vase of carnation O.

P. Bassett, a magnificent flower and good stem, also a vase of White Enchantress, receiving a cultural certificate for each. Max Snyder, gardener for Mr. Charles Hathaway, showed sweet peas, narcissus paper white and chrysanthemums, receiving a cultural certificate and two certificates of merit.

The following were unanimously elected officers for the ensuing year: President, Albert Larson; secretary, William Reid; vice-president, Deitrich Kindsgrab; treasurer, Walter Gray. The January meeting will be installation night.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

As usual of late at our club meetings, the attendance was large at the Dec. 7th meeting. On Nov. 11th there had been a joint meeting of all the committees at the Fort Pitt Hotel, having in charge the entertainment of the carnation convention, and a tentative programme outlined. At the regular meeting on the 7th the entertainment committee outlined, still tentatively and subject to revision, a smoker with music, in the Grill room, for the first evening and a banquet and ladies' theatre party for the second evening.

There is no doubt that the Fort Pitt Hotel will be the headquarters of the Convention; its size, convenient location, enterprising and liberal management, combining to put it at the head of Pittsburg hotels.

At the November club meeting a committee had been named to consider the advisability of securing a site for and erecting a horticultural hall. Wm. Falconer, chairman of the committee, put several hard facts before the club for consideration, as to the difficulty of getting suitable ground and the expense of the building. Mr. Negley, another member of the committee, said that this was not a horticultural section and the more he looked into the matter the more obstacles he found. Other gentlemen also spoke, the gist of their remarks being that it was first necessary to form a society before seriously considering a location and the erection of a hall. And further, that the club might find ample scope for its energy and money in making its own organization stronger and more useful. On motion the committee was discharged.

The subject for consideration was, "Christmas Plants and Decorations," with a competitive display of plants suitable for Christmas decoration; also cypripediums. The judges, Wm. Falconer and J. A. Peterson, awarded first prize for Christmas plants to Jas. Wiseman, second prize to Frank Crook. First prize for three cypripediums to Frank Crook.

They also awarded a cultural certificate to Jas. Moore, foreman Phipps' Conservatories, for group of cypripediums and primroses; certificates of merit to Henry H. Negley for group of hybrid cypripediums, and to Jno. W. Jones for very fine group of begonias, poinsettias and cyclamen. A vase of fine seedling carnations was shown by the Finleyville Floral Co.

The subject for the January meeting will be "Roses."

H. P. JOSLIN, Secretary.

MINNESOTA STATE HORTICULTURAL SOCIETY.

The annual meeting of this society, held at Minneapolis, Dec. 7-10, was, as usual well attended. The old pioneers in Horticulture would not miss this meeting for anything, and their sons and grandsons who attend go home with better knowledge after having taken part in the very interesting discussions followed the reading of valuable papers.

The ever active president, Professor Sam B. Green of St. Anthony Park, opened the meeting with an address, urging the creation of a friendly relationship among the members, and Prof. Hansen of the Dept. of Horticulture of South Dakota prophesied the production in the near future of a Minnesota winter apple, that will keep until the early apples are ripe and ready to be picked. Minnesota has at present summer, fall and late fall apples; apples which can hardly compare in size with the fruit from the far West, but are fully as good in color and far superior in flavor to any of the Western apples. The Society has offered a prize of \$1000.00 for an apple of such keeping qualities.

N. E. Chapman read a very able paper, glorifying the Minnesota strawberry. Messrs. D. W. Valleau and F. J. Crider gave demonstrations in grafting and cross-pollination. At the plant breeders meeting, many eminent men participated. C. M. Loring, father of the Minneapolis Parks, offered two prizes of \$100.00 and \$50.00 for the best Minnesota plums.

In the basement was a fruit exhibit consisting of over 1000 boxes and fruits raised in the Northwest.

D. W. Longfellow, a Minneapolis commission merchant advocated the removal of the tariff on apples between the U. S. and Canada.

The Minnesota State Florists' Association, an auxiliary to the Horticultural Society, held a meeting on Wednesday with Pres. Wirth in the chair. Poinsettias, cyclamens, azaleas, chrysanthemums, primulas, carnations, and all the standard varieties of roses were on exhibition and added considerably to make the hall attractive. Papers were read by C. J. Smith, Lakewood Cemetery; E. Meyer, nurseryman with the Minneapolis park board, and others. In the afternoon the Woman's auxiliary held their meeting.

At the election of officers Prof. Sam B. Green of the State College of Agriculture was elected president for the third term. Other officers were chosen as follows: treasurer, George W. Strand, Taylor Falls; secretary, A. W. Latham, Minneapolis; executive board, Wyman Elliott, Minneapolis. Thomas E. Cashman, Owatonna.

Seven members were given honorary life membership for long and meritorious service.

Resolutions were unanimously adopted indorsing J. M. Underwood, Lake City, as candidate for the presidency of the State Agricultural Society.

C. N. RUEDLINGER.

The success of this Society is without precedent in all the annals of horticulture. It now has a membership of 3023, probably the largest in the world. It was about 10 below zero

and yet at the opening the great church was well packed. The program included papers short and sharp, and to the point, followed by rattling comments and questions. This Society gathers under its wings all the affiliated societies of the state. When the time comes the chairman of each society conducts his own organization. Thus the rose society, plant breeders' association, forestry, women's auxiliary, and the florists' association all have their places and the report of each meeting is published in the annual report of the parent society. In this way every body is interested.

There are many progressive men in this society who are engaged in producing new and hardy apples.

The apple display was amazing. A thousand plates and boxes galore. Hundreds of choice seedlings were on exhibition.

Experiments in top grafting on the hardy Hibernian and on the crabs showed remarkable results. For instance the tender Jonathan and the luscious Grimes' Golden have been moved 200 miles north by being grafted on iron-clad stocks.

One man brought 10 Missing Link apples from Illinois and lost every one. But he had taken the precaution to graft some scions on the Hibernian, and every graft lived and bore enormous crops. Some of the very finest specimens were from top worked fruit.

From start to finish the four days were filled with good things, without a hitch or jar.

C. S. HARRISON,
Nebraska Delegate.

NASSAU COUNTY HORTICULTURAL SOCIETY.

This Society held its regular monthly meeting at Glencove, N. Y., December 8th. President Everett occupied the chair. Members turned out in force to elect their officers for the ensuing year. Treasurer Brown in submitting his annual report gave a satisfactory account of the financial standing of the Society. Secretary Gant read a letter from J. F. Huss, of Hartford, Conn., one of the judges at the fall show, complimenting the Society on the magnificent exhibition held last October. The points competition ended with P. Reul well in the lead. Mr. Reul exhibited a vase of gardenias this month which was awarded 91 2-3 points; V. Cleres and G. Wilson, Begonia Gloire de Lorraine, 89 and 85 1-3, respectively. P. Reul was awarded the gold medal with an aggregate of 1054 1-3 points; V. Cleres, silver medal, with 1035 1-3 points; G. Wilson, bronze medal, with 1031 1-3 points. V. Cleres was awarded cultural certificate for vase of carnations. A. Reidenbach, P. Reul, and H. Macdonald each staged nice exhibits which were awarded honorable mention.

The officers elected for the coming year are: J. Duthie, president; E. Reidenbach, vice-president; E. J. Brown, treasurer; J. Ingram, recording secretary; O. Ador, corresponding secretary; executive committee, G. Wilson, J. Everett, E. Barton, H. Gant, W. Eccles, J. Robinson. J. F. Johnson was appointed trustee for three years. A. Mackenzie, J. Duthie and J. Holloway acted as judges for the monthly exhibit.

W. H. MACKENZIE,

MASSACHUSETTS HORTICULTURAL SOCIETY.

The inaugural meeting of the Massachusetts Horticultural Society for the year 1910 will be held at 12 o'clock, noon, on Saturday, January 1, at Horticultural Hall, Boston.

The business of the meeting will be the hearing of an inaugural address by the President, the report of the Board of Trustees, the reports of officers, and the reports of the chairmen of the various committees.

There will be a free exhibition of 700 photographs illustrating the flora, fauna, and scenery of central and western China, at Horticultural Hall, Boston, beginning Dec. 27, and lasting two weeks.

These photographs are the property of the Arnold Arboretum and were made by Mr. E. H. Wilson, the head of the Arboretum botanical exploration expedition, during the years 1907-1908.

The collection is of great value and interest, for it contains the first pictures which have been made of the plants of western China, many of which are new to science. In addition to the botanical subjects there are photographs of birds, animals, and objects of architectural and archaeological interest.

The exhibition will be open daily from 10 to 4 o'clock.

WM. P. RICH, Secretary.

IOWA STATE HORTICULTURAL SOCIETY.

The annual meeting and exhibition of this society was held at Des Moines on December 8 and 9. On the afternoon of Dec. 8, the Iowa Florists' Association had the floor. Papers were read as follows: "Observations on Gladiolus," by G. D. Black of Independence; "Begonias," by C. W. Davidson of Des Moines; "Carnations," William Trillow of Des Moines; "Lilies," John T. Temple of Davenport; "Hardy Perennials," J. T. D. Fulmer of Des Moines; "Plants of Recent Introduction Worthy of Further Trial," J. S. Wilson of Des Moines.

An evening session was held at which Dr. A. B. Dennis of Cedar Rapids spoke on "The Story of the Chestnut," Eugene Secor of Forest City on "A Glimpse of Elysium," William Langham of Cedar Rapids on "Agriculture in Our Public Schools," and W. A. Burnap of Clear Lake on "Southern Florida."

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Pennsylvania Horticultural Society held its annual meeting Tuesday night. All the officers were re-elected: President, C. B. Newhold; vice-presidents, H. F. Michell, J. G. Cassatt, Dr. J. Cheston Morris, Randall Morgan; treasurer, S. W. Keith; secretary, David Rust. The judges of vegetables at the November show made a report stating that they found Spanish onions, Long Island cauliflower and stock grown under glass, among the exhibit. This report resulted in lively discussion as to proper rules to govern such matters; and next year any such exhibits will be promptly disqualified. Vaughan's seed store made a special offer of prizes for the new

GREETINGS:

*"Time steals our YEARS;
But seals our FRIENDSHIPS true."*

Christmas Greetings and Sincere Good Wishes for the Coming Year

M. Rice & Co.

PHILADELPHIA, DEC. 25th, 1909.

M. RICE & CO. LEADING FLORISTS' SUPPLY HOUSE
Of America **Phila.**
1220 RACE STREET

A. H. Deal sweet pea for the show next June. Prizes were also offered by the Moore Seed Co. of Philadelphia, for *Primula Chinensis* for the January meeting. All arrangements are completed for the joint exhibition of the Pennsylvania Horticultural Society, and the National Gardeners' Association, March 15, 16 and 17 next. A very good show is promised. Many exhibitors will be on hand from New York state and New England.

ROCHESTER COMMERCIAL FLORISTS' ASSOCIATION.

About sixty of the members of the Rochester Commercial Florists' Association met Dec. 13, in the store of James Vicks' Sons. Dr. Algernon S. Crapsey addressed the members on "Vacant Lot Gardening," and the association adopted a resolution commending the work of the Vacant Lot Commission and pledging it support. President F. W. Vick presided.

The committee appointed some time ago to select suitable association rooms announced that such rooms had been rented in the Cutler building and that they would be ready for occupancy by the beginning of the new year. The committee was composed of E. S. Osborne and J. W. Keller.

A committee to superintend the furnishing of the rooms, consisting of George B. Hart, Charles H. Vick, R. G. Salter and E. S. Osborne, was appointed. A committee to revise the constitution and by-laws of the association was appointed. It is expected that the changes will make provision for the reception of members who are not commercially allied to the association. The committee includes H. B.

Stringer, W. L. Keller and E. P. Wilson.

J. O. Pridmore, W. H. Dildine and C. H. Ogsten, who constitute the nominating committee, will report at the meeting of the association set for January 10th, at which time the annual election of officers will be held.

AMERICAN ROSE SOCIETY.

The fame of the American Rose Society is spreading to the ends of the earth. The people in New Zealand have heard of the last Bulletin and write from Wellington in behalf of their parks, for a copy.

The Bulletin, giving the doings at the Buffalo Exhibition and transactions during the year, will be ready for mailing about Christmas. We had an inquiry from one of the private gardeners at Madison, N. J., who promises to make an entry for the prize for Pot Grown Roses.

At the Chicago Exhibition Vaughan's Seed Store made a show in that class which took the Ladies' prize for its general attractiveness. In the great city there are thousands of places where pot plants may be tended with much attention and made a thing of real beauty. In the metropolis of America, there is no place for large or even small gardens, but there are tens of thousands of places where a pot rose or two may be placed and we want this fact known on behalf of the Horticultural Society of New York, whose aim is to reach the people in an educational way and thus afford encouragement to the men who make their living by raising and selling flowers. We expect to send out an additional list of prizes next week.

BENJAMIN HAMMOND, Sec'y.

MARYLAND STATE HORTICULTURAL SOCIETY.

This society at its meeting in Baltimore last week, elected the following named officers: President, R. Vincent, Jr.; vice-president, J. S. Harris; secretary-treasurer, C. P. Close; local vice-presidents, C. L. Seybold, George Morrison; executive board, the officers and E. P. Cohill, W. I. Walker and J. W. Kerr.

There was a very fine exhibition in connection with the meeting—said to have been the best on record. Among the principal exhibitors were: R. Vincent, Jr., & Sons Co., John Cook, H. A. Dreer, H. F. Michell Co., H. Weber & Sons Co. and J. G. Harrison & Sons.

APHINE

The new insecticide discovery that kills plant lice of every species.

Effective indoors and outdoors.

Send for Descriptive Circular.

George E. Ta'madge, Inc.
MADISON, N. J.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTI- CULTURISTS.

A Few Words to the Members.

As the year is fast drawing to a close, I hope you will not feel it an infliction if I address a few words to you before stepping down and out.

The most noteworthy work accomplished by our Society during the year is the securing of a revision of the tariff in relation to bulbs. The duty is now based upon the number and not the value of the bulbs. This is simple, tends to the importation of a better average grade and does away with the accusations of sharp practices by removing the inducement and the opportunity. Under the old arrangement the honest importer was handicapped but now he starts from scratch.

This alone is much but it is significant of more. It means that this Society has been able to secure attention in the halls of Congress and still more to have it apparent that the weight of its influence is cast on the side of honest and upright methods. Now that the Society has accomplished so much in this direction let us make it a continuing habit to do things that need doing.

What about those florists who are not members? When they realize that efforts are constantly being made to secure results that will benefit them, there are few of them that will not contribute their portion of the expense. Each present member should start the new year right by getting a new member.

Tell your friends that the next President was one of the men who spent their own money and went to Washington and produced results. It is safe to predict that still greater results will be the outgrowth of his administration.

The retailers are going to be with us at the next convention. They are already knocking at the door by scores, for we are showing them that there is something inside that is worth coming after. The committee in charge of that movement is actively at work.

My personal thanks are due to every vice-president who has done his duty and nearly all of them have. Some few of them seem to have overlooked the fact that when they accept an appointment they thereby incur an obligation to work for the society that honors them.

To the members of the different committees I acknowledge a debt of gratitude for the hard work they have done and the results secured.

To Mr. Rudd, the efficient secretary, is largely due the credit for the advance the Society has made during the past year. His years of experience with the Society have made his counsel invaluable and I have frequently profited by his advice.

The Society is larger and richer than ever before. Let us work together the coming year and see if we can not greet President Pierson with a membership of two thousand at Rochester instead of one thousand as at Cincinnati.

Reports indicate an unusually prosperous condition in all parts of the

country and the outlook for the immediate future is very encouraging, but history should teach us that booms are followed by depressions. Let us, therefore, use present profits in a conservative manner so that if hard times should come in two or three years, we will have money in the bank instead of ranges of new glass that are not yet paid for.

With a cordial Christmas Greeting for every one of you, I am,

Enthusiastically yours,

J. A. VALENTINE,

President S. A. F. and O. H.

President Valentine has appointed Mr. John K. M. L. Farquhar of Boston, as chairman of a Committee on Federation and Affiliation of Amateur Societies.

This appointment is made in pursuance of a recommendation by President Valentine at Cincinnati, and endorsed and ordered put into effect by vote of the Society.

W. N. RUDD, Secretary.

December 17, 1909.

NEW ORLEANS HORTICULTURAL SOCIETY.

The regular monthly meeting of this Society was held on the 16th inst. There was a good attendance of the growers, but the retail representation was meagre owing to a business rush. The committee appointed to select a site for a new clubhouse ran against a snag. It appears that the New Orleans Land Company have bought a large tract of land including that where it was proposed to build the new clubhouse, and have already commenced alterations and improvements to make a fine residential section of it. The Mayor, however, came to the rescue. The city is reclaiming another section of the lake front in the neighborhood and a site has been promised them as soon as improvements are completed. The committee was continued with power.

The tables were filled with a beautiful display of foliage and flowering plants. Abele Bros. exhibited Begonia Pres. Taft. Richard Eichling, grower for U. J. Virgin, had azaleas and crotons and a nice collection of smaller plants suitable for baskets, all well grown, also a fine specimen *Adiantum O'Brienii*. The Metairie Ridge Nursery Co. had beautiful specimens of Begonias Gloire de Lorraine, Lonsdale's Pink and Pres. Taft, ardisias well berried, heaths, *Epacris pallidosa*, poinsettias, *Adiantums* Farleyense and *Croweanum* and *Dracaena terminalis*. J. A. Newsham had a fine specimen of *Cattleya Trianae* alba, cut blooms of *C. Trianae* and *Odontoglossum grande*, the individual flowers of the latter measuring seven inches.

E. Baker, an old and highly valued member of the Society, was congratulated on his appointment as superintendent of the new Parking Commission which will have hereafter full control of all tree planting in the streets of the city. Mr. Baker, in thanking the Society, showed where the new commission would be a help to the nurserymen. The work of incorporating is progressing favorably.

THAT VISIT TO NASHUA.

A Word from One of the Seventy-Five.

Gardeners and florists, like most other people, all like to see a sunny, cloudless day, a day without squalls and sudden changes, sudden drops or rises in temperature or any untoward events, which would prevent us from enjoying it to its utmost. The same applies to our inner nature, when we set out to enjoy ourselves, either singly or in company of congenial souls. We like to look back to such a day with pleasure and we see ourselves and others in a better light, if no shadow of discomfort falls across our memory of such a day.

There are too many dull and disagreeable days in our lives, as it is, and a well and pleasantly spent day will greatly help us to forget the others and at the same time make us look forward to anticipate and wish for more of the same kind.

The excursion of the Gardeners' and Florists' Club of Boston to Nashua on December 11 certainly was one of the sunshiny sort all over. Glorious sun and fresh crisp air, all day; a jolly, big crowd of jolly men; lots of things, new and old, in fine condition, to be seen and to cap it all, a trio of hosts whose hospitality it would be a severe task to excel, tried to outdo each other in making it pleasant and worth while for their brother florists and gardeners, and certainly succeeded.

GUSTAVE THOMMEN

Billerica, Mass.

Notes.

The Utica Florists' Club held an exhibition and later a dinner on the evening of December 8. Guests were present from Little Falls, Ilion, Canastota and Rome.

The Springfield (O.) Florists' Club is considering the advisability of holding an annual flower show. At its regular meeting on Monday evening, Dec. 13, at the office of the Good & Reese Company, with President Roger Murphey in the chair, an informal discussion was had on the subject of the great annoyance and frequent excessive over-charges in connection with importations of stock from Holland.

The Engelmann Botanical Club of St. Louis held its monthly meeting at the Central High School in Botanical Laboratory Hall last week. The program included the nomination of 1910 officers and a talk by Mr. Henry Stark, with illustrated lantern pictures on "Nature Photography" from both the technical and the practical standpoint. W. W. Ohlweiler, secretary, invited all local florists to be present at this meeting.

A. C. Mattaz, of Hardin, won the first prize in the sweepstakes offered by the Illinois State Horticultural Society for the best collection of apples grown in Illinois, exhibited at Champaign, Dec. 17. The society, which held its annual convention at the University of Illinois, elected officers as follows: President, R. O. Graham, of Normal; vice-president, F. D. Vories, of Neoga; secretary, W. B. Lloyd, of Kinmundy; treasurer, J. W. Stanton, of Rich View.

NEW ORLEANS NOTES.

The Holiday Supply.

The mercury the past week got down to 32 degrees, but did not injure the tender plants even. About two cool nights followed by the same number of warm, rainy ones is the way the weather man has been serving it up of late. The outlook for Christmas is good. Certainly there never was such a fine and varied collection of flowering and foliage plants offered for sale in this city before, and if all goes as expected all hands will rejoice.

Miscellaneous.

Abele Bros. are propagating a white perpetual phlox and expect to have enough to offer it to the trade in the spring. J. A. Newsham has installed a new ice box in his show room. The Metairie Ridge Nursery Co. have made connections with the new city filtered water supply whereby they get good pressure and avoid staining the plants, as was the case when they had to depend on the dirty water from the bayou. H. Redfeld has just finished a new greenhouse. H. C. Doescher is in a peck of trouble, a serious leak having sprung in one of his boilers. His crop of cucumbers is coming along nicely. C. D. Otis of Lake Charles was a visitor this week. He is contemplating building a range of houses.

PERSONAL.

We are informed on good authority, contrary to the announcement which appeared on page 892 of last week's issue, that Arthur Griffin is not at the estate of Mr. Isaac Guggenheim, Port Washington, L. I.

Visitors in Boston: H. S. DeForest, of Pierson U-Bar Co., New York; Arthur A. Niessen, Phila., Pa.

Ada, Ohio.—The greenhouses of Henry Young have been sold to J. H. Milner & Son for removal.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

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DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

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Are Specialists in the

REALLY HARDY VARIETIES
of Rhododendron Hybrids and in Select Varieties
of Hardy Border Plants

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century,
Rose Pink Century, Virginia Maule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN,
JUNCTION, N. J.

ORCHIDS IN BLOOM

ROEHRS, Rutherford, N. J.

NEW SEEDLING ROSE

"RADIANCE"

A Seedling from Cardinal, a brilliant rosy carmine with rich opaline tints in the open flower; the form is fine, large, with cupped petals; bud long, brilliant, radiant, with extra long stems; a constant bloomer, very fragrant, foliage abundant and of splendid substance.

2½ inch pots \$18 per 100, ready for delivery in March.

Cash from unknown correspondents.

JOHN COOK,

318 N. Charles St., - Baltimore, Md.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000,
Cash with order.

FRANK OECHSLIN

911 Quincy St., - CHICAGO, ILL.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

2½-in., \$40.00 per 1000; 3½-in., from Bench,
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

In ordering goods please add "I saw
it in HORTICULTURE."

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
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ORCHIDS

Largest Importers, Exporters, Growers
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Sander, St. Albans, England
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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices.

ORDONEZ BROS.

41 West 28th St., New York City.
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Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. glauc Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum scepterum.

LAGER & HURRELL, SUMMIT,
N. J.

CHRISTMAS PLANTS

We have on hand an extra fine lot of
JERUSALEM CHERRIES
which we offer at \$2 and \$3 a dozen.

Cash with order please

PAUL DE NAVE

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THREE NEW CHRYSANTHEMUMS.

Elmer D. Smith & Co.



CLORINDA.

Clorinda—Semi-dwarf pompon, producing erect sprays of an even shade of bronze. C. S. A. Cert.

Adonis—Light pink, slightly deeper than Gloria. The narrow petals reflex and interlace forming an artistic bloom



ADONIS.

of the largest size in which the depth exceeds the diameter, 5 ft. Best bud, August 25th. C. S. A. Cert.

Itaska—Properly defined this variety is a semi-double incurved, but being so near single we have included it in



ITASKA.

this section. A seedling from A. J. Balfour but a few shades lighter. The incurving petals give the blooms the appearance of pond lilies and being a most pleasing shade of pink they are very useful for decorative work.

HORTICULTURE IN FRANCE.

The following information concerning the recent action of the French Government for the promotion and development of horticulture is furnished by Consul-General A. Gaulin, of Marseilles:

By virtue of a ministerial decree published in the Journal Officiel on October 14, 1909, a Technical Board of Horticulture has been created and attached to the French Ministry of Agriculture. The object of this new board is to promote the development of horticulture in France, and particularly to examine and report upon all important matters relating to the industry.

In the letter submitting the above decree for the signature of the President of the Republic, the Minister of Agriculture states that the French horticultural production, which was officially estimated at \$57,000,000 in 1892, exceeds at the present time \$77,000,000. The extension of the parcel-post privileges to the shipment of cut flowers is considered as one of the principal causes of this increase. But while existing economic conditions are held to be on the whole fairly satisfactory, it is claimed that a great deal still remains to be done, and an earnest attempt will be made to coordinate the individual efforts of the numerous horticultural societies and syndicates and of the transportation companies, technical experts, and inventors, from which it is expected that greater unity and cohesion among the interested parties will result.

The technical board comprises a certain number of ex-officio members and

thirty other members appointed by the Minister of Agriculture, who is also its president. The ex-officio members are the director-general of customs, the director of agriculture, the director of the board of foreign trade, the assistant director of agriculture, the inspector of the Ministry of Agriculture, the president of the National Horticultural Society of France, the president of the Horticultural Society of Versailles, the chief of the Board of Agricultural Information, and the chief of the technical department. The minister designates a vice-president among the members of the board, and the secretary and assistant secretary from his official staff.



BUCKBEE CUP.

Awarded to Elmer D. Smith & Co. for 12 best American Seedling Chrysanthemums at New York.

FIRE RECORD.

Kennett Square, Pa.—A large greenhouse and mushroom plant of Walter A. Scarlett burned Dec. 13. Upset lamp, cause. Loss, \$7,000; partly insured.

Irvington, N. J.—A fire was discovered in the hothouse of Theodore Kemper, at Lyon and Union avenues, on the morning of Dec. 12. Origin unknown. Loss about \$200.

Kalamazoo, Mich.—A fire broke out here early in the morning of Dec. 9, which threatened to destroy the entire business section. The Central Nursery salesroom was destroyed, together with its contents, about \$1,300 worth. No insurance.

Hamilton, Ohio.—The greenhouses at the country home of Col. J. C. Hooven, south of Hamilton, were partly destroyed by fire on Dec. 10. Neighbors went to the rescue and saved much of the property. Col. Hooven's magnificent country home was burned to the ground last August.

Perrysburg, Ohio.—A greenhouse and barn belonging to S. J. Lang, two miles east of town, were destroyed by fire on the morning of Dec. 8. The residence was slightly damaged. The loss is about \$1,500, partially covered by insurance. It is believed the fire originated from the heating plant in the greenhouse.

New York City, N. Y.—A fire broke out Dec. 15, a. m., in the fruit and flower store of Estrapos Gostardio at 2704 Broadway, badly damaging the store and contents. The fire was caused by the explosion of a gasoline lamp. Gneis Banos, 18 years old, a clerk in the store, was badly burned about the face and body, but will probably recover.

SELECT FERNS for FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of the different varieties of **NEPHROLEPIS** which will be found one of the best selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

IMPROVED ELEGANTISSIMA. The finest of all this type. It was introduced by us in 1905. This form of *Elegantissima* has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

SUPERBISSIMA. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

BOSTONIENSIS, PIERSONI, WHITMANI, SCOTTII. Extra fine plants, 6-in. pots, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

ROEHRS, RUTHERFORD N. J. LORRAINE BEGONIAS

BEST VARIETIES **AZALEAS** IN BUD AND BLOOM

Azalea Indica, in bloom for New Years. *Mad. Petrick* best early double pink. 75c, \$1.00, \$1.25 to \$1.50. *Deutsche Perle*, pure double white, and *Vervaeana*, double variegated rose. 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Azaleas*, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots.

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HEACOCK'S PALMS

<i>Areca Lutescens</i>	Each	
6 in. pot, 3 in. pot, 24 to 26 in. high.....	\$0.75	
7 in. pot, 3 in. pot, 26 to 28 in. high.....	1.00	
6 in. pot, 1 in. pot, 30 to 32 in. high.....	2.00	
<i>Cocos Weddelliana</i>	Per 100	
2½ in. pot, 8 to 10 in. high.....	\$10.00	
2½ in. pot, 10 to 12 in. high.....	15.00	
<i>Kentia Belmoreana</i>	Each	12
5 in. pot, 6 to 7 lvs, 18 in.	\$50.00	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in.	1.00	12.00
7 in. pot or tub, 7 to 7 leaves, 4 to 6 in.	2.50	30.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00	
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00	
<i>Made-up Kentia Forsteriana</i>	Each	
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50	
7 in. pot, 4 in. pot, 36 to 38 in.	3.00	
9 in. tub, 4 in. tub, 42 to 48 in.	5.00	

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A splendid assortment in all sizes of the best plants to grow on for the Christmas and Easter trade. Lorraine Begonias, Poinsettias, Azaleas, Ferns, Genistas, etc.

**We have just what you
NEED.**

William W. Edgar Co.
WAVERLEY, MASS.

IMPORTANT

Flowering, Foliage and Decorative Plants
for immediate delivery. Also fine list of

Easter Plants

Write for our descriptive catalogue. Sent free.

A. SCHULTHEIS

316 Nineteenth St., College Point, N. Y.

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Now in Bloom and Bud. Orders taken for Christmas and Easter delivery in the best commercial varieties.

Bay and Box Trees, *Euonymus*, *Eurya latifolia*, *Araucarias*, *Aspa agus*, *Adiantums*, *Crotons*, *Areca lutescens*, *Cocos*, *Kentias*, *Latantias*, *Phoenix*, *Rubbers*, *Pandanus*, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, *Wallacei*, etc.

German and Japan Iris, *Delphinium Formosum*, *Gladoli*, *Callas*, Cinnamon Vines, Madeira Vines, *Hyacinthus Cooperias*, *Milla* and *Beasera*.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Railroad Gardening

The illustrations of railroad gardening from the Reading system, given in this issue, are good examples of the effective use of flowering and foliage plants in embellishing stations. The Philadelphia and Reading Railway has long been a conspicuous and creditable force in this direction, and under the able management of Paul Huebner has become the Mecca of the railroad gardeners of the country. The community which the Reading system so efficiently serves are given constant pleasure by this policy, and are inspired thereby to efforts of their own along horticultural lines. Of course, the management of the company look at the matter from a purely utilitarian standpoint—a dollars and cents' proposition entirely—nevertheless, they are to be commended for their breadth of view and far-seeing good policy. There can be no question but what travel and settlement along its lines is increased thereby, while at the same time the value of its real estate is greatly enhanced. Mr. Huebner uses plenty of flowering shrubs and hardy plants in his work; but as the illustration shows, he is wise enough not to despise the splendid and glowing effect that can be secured only through the use of the cannas, geraniums and other tender subjects which make these erstwhile dull and unsightly locations a glory all summer long. A spirited discussion took place at the third annual convention of the Railroad Gardeners' Association of America, held in Philadelphia last August, on the subject of "Shrubs vs. Flowering Plants," and the consensus of opinion there was undoubtedly in favor of a liberal use of both. After going over the Reading system in a body, the members of the Association were almost unanimous in the aforesaid view, more especially as they had an opportunity of comparing the other idea in the Pennsylvania Railroad system—which does not use flowering plants in its gardening.

G. C. WATSON.

Station Gardening Notes

Moose Jaw, Saskatchewan.—N. Stewart Dunlop, chief of the floral department of the C. P. R., has sent out some half a million bulbs to station agents all along the system.

These are arranged in packages, both for indoor and outdoor growth, the idea being to encourage the station agents and employes in beautifying the grounds around the stations, especially in the rugged country to the north of Lake Superior and also the stations on the western prairies.

Last summer the company had over fifteen hundred gardens between the two oceans, and this fall an additional five hundred packages have been sent out. A prize of \$10 is offered for the best garden of each superintendent's division, and an additional prize of \$50 for the best on the division of each general superintendent. Pipestone, Leduc and Grand Forks received the premier prizes this year.

Carl Hirsch, of Hillsdale, Mich., in addition to his regular product of florists' stock, roses, carnations, etc., furnishes all the plants, shrubbery, etc., for the station grounds of the Lake



BEDDING AT TRENTON JUNCTION, READING R. R.

Shore R. R. in his district. He has charge of all the gardening between Chicago and Toledo.

Paul Huebner.

We have much pleasure in giving herewith a very good portrait of that picturesque and lovable personality, Paul Huebner, landscape gardener for the Reading Railroad system. Some of Mr. Huebner's work is illustrated in this issue. He has held this position for nearly twenty years and by his



PAUL HUEBNER

splendid work, combined with executive ability and tact of a high order, has made the Reading famous. His early training in horticulture was obtained in Berlin, Paris, London, and New York. The Reading management are justly proud of him, and if they don't pay him ten thousand a year on account of advertising it is not because he does not deserve it. G. C. W.

A GLIMPSE OF CALIFORNIA.

The following is a synopsis of an interview with Edwin Lonsdale by our Philadelphia representative, George C. Watson, previous to Mr. Lonsdale's final departure for Lompoc.

The valley of Lompoc, Cal., is an ideal situation from the standpoint of the seed grower. Although most of the crops had been harvested there were evidences of the yield having been very heavy. Sweet peas were a great seed crop, I was assured by those who had grown them. In some fields where the crops had been gathered, some of those self-sown were in fine flower and there was a freshness to the colors and a general vigor to the plants that did one's heart good to see. It should be borne in mind in this connection that no rain had fallen on the ground where these self-sown plants were blooming, since last May. It is evidently a soil that retains moisture for a great length of time. This is largely owing to its depth, and which is unknown, so the neighbors say, a statement which is backed by the whole of the residents of the valley. What is meant by that is—when wells are being drilled a black material is brought up which has the appearance of loam. No manure or other concentrated fertilizers are needed on the ranch, its natural fertility is so great.

I noticed some verbenas growing and seeding in the garden surrounding the cozy cottage which is on the place, and a fair-sized bush, in tree shape, of the well-known "lemon verberna" (*Aloysia citriodora*). Among roses thriving with great luxuriance, were Marie Van Houtte, Papa Gontier, Safrano, Mme. Lombard and several others. Salpiglossis were blooming in great profusion, so also were ten-week stocks. The zonal pelargoniums, or geraniums as we call them generally, were evidently very much at home there. A clematis of the Jackmann type trained on our cottage porch, was in full bloom when we were there,

which seemed to me quite unusual at this season of the year. It seems to me it might have been a second crop of flowers.

In other parts of the Lompoc valley I saw asters, Semple's branching I presume, doing well; also sweet peas were in bloom in some of the gardens.

One of the most wonderful sights in this favored locality—right in the heart of Lompoc—was a very large plant of the Banksian rose, and this was growing on the sidewalk, between the flagging and the curb. The streets and sidewalks in Lompoc are laid out on a very generous scale—100 feet in width—and the sidewalks are proportionally wide. The latter are so wide that a generous strip of ground is left upon which to plant palms or anything the owner of the property on which same fronts may fancy. In some cases this space is planted with an ivy geranium which does well in southern California, namely, *Souv. de Charles Turner*. Nothing could thrive and make such a cheerful impression as does this very variety of *Pelargonium peltatum*. This valuable variety is a warm shade of rose pink and is a double flowering variety the flowers and trusses of which are produced in great profusion. It was introduced into California by Samuel Cole of Ventura, through the Philadelphia firm of Henry A. Dreer. Mr. Cole is a specialist and grows some of his products for that firm. Among same is the somewhat rare *gladiolus White Lady*, which I understood is somewhat difficult to manage.

Speaking about Ventura reminds me that we paid a visit to this noted place made famous by the late Mrs. Theodosia B. Shepherd. The place established by Mrs. Shepherd is now operated as the Theodosia B. Shepherd Co. with Mr. Francis as manager, who is doing some good work here. Mr. Thomas Gould is also located here, and double-flowering petunias are one of his principal specialties. I have never seen better than were to be found here. It was with Mr. Gould that re-selected Early Blanche Ferry sweet pea originated—which was sent out a few years ago by W. Atlee Burpee & Co. Mr. Gould still grows the stock for Burpee. By the way, some good judges of the early flowering varieties of sweet peas declare that re-selected Early Blanche Ferry and Christmas Pink are identical as to type, or so nearly so that they cannot be distinguished apart.

One of the most conspicuous plants in California is *Phoenix Canariensis*. This date palm has a majestic grace all its own and will grow under only half-favorable conditions, 10 to 12 feet high in from 8 to 10 years, and the larger arching fronds spring from the space with great vigor and grace. This palm is more suitable for the lawn than as a street palm. The street palm par-excellence is the *Brahea filamentosa*, sometimes called *Washingtonia filifera*. This sturdy palm is frequently seen as a street palm in many of the cities of southern California. It resembles at first glance the well-known *Latania Borbonica* excepting that from the divisions of the leaves filaments are gracefully suspended.

I could go on talking like this but I know your space is limited. I look forward to my work in that favored valley with enthusiasm and delight.

PARCEL POST ADVOCATED.

Resolutions Adopted by the Connecticut Horticultural Society.

Whereas, The parcel post, as already long established and in successful operation by the leading nations of Europe, is one of the greatest and most pressing needs in the economical, commercial, industrial and social affairs of the people of the United States; and

Whereas, Under our present postal system, it costs 64 cents to mail 4 pounds of merchandise from Hartford to West Hartford, and the package is limited to 4 pounds in weight; and

Whereas, Citizens of Germany can today, under the parcel post system, send 110 pounds of merchandise, to any part of the German empire, for 30 cents; and

Whereas, The railway, steamboat and general transportation facilities of this country are second to those of no nation in the world, and are constantly increasing in efficiency; and

Whereas, The adoption of the parcel post would involve no question of paternalistic or socialistic functions by our government, but simply a reduction of the present comparatively enormous postal rate for merchandise, and an increase of the present very low weight limit of 4 pounds; and

Whereas, Patriotic and civic pride imperatively require that the United States shall no longer suffer the humiliation of standing far behind the nations of Europe in postal reform and improvement; and

Whereas, All objections to the institution of the parcel post in this country are factious, fictitious, or emanate mainly from private monopolistic corporations; and

Whereas, Nothing insuperable stands in the way of the prompt introduction of the parcel post in this country, except an unenlightened and unaroused public sentiment on the subject;

Resolved, That the Connecticut Horticultural Society places on record its unqualified desire for the speedy adoption of the parcel post in the United States; affirming the Society's conviction that horticulturists, farmers, merchants, manufacturers, and people of all other occupations, shall assiduously agitate for the realization of this desire, by means of correspondence, by word of mouth, by press and platform utterances, by the use of suitable stamps on envelopes and letterheads, and by all other legitimate and proper means, until public interest is so awakened that the people of this nation come to realize that they are losing hundreds of millions of dollars a year for lack of the parcel post, and until this country, by following the successful leadership of Germany, Switzerland and other European nations, shall begin to take her rightful position, if not in the vanguard, at least in the ranks, of the civilized nations of the earth, in this very important matter of postal progress and reform.

Resolved, That these resolutions be made known to the agricultural and horticultural press of America, and that they be otherwise disseminated over the United States as far as the influence of this Society may be exerted.

GEORGE W. SMITH, Secretary.
Melrose, Conn., Dec. 14, 1909.

PROPOSED FLOWER SHOW AT LINCOLN, NEB.

Acting upon a suggestion from the Commercial Club, Lincoln florists have agreed to take part in a big flower show which will be given at the auditorium next year, in the latter part of October or the early part of November. It is expected that the display will be, for the most part, a chrysanthemum exhibition. The show will probably be repeated every year, as it is thought the public will show decided interest and furnish plenty of support for it.

Besides the professional florists, the state farm, the hospital for insane, other state institutions and some private owners of greenhouses, among whom is W. J. Bryan, may be induced to participate.

LOCATED AT LAST.

Hiram—Look Maria, they's a band of Gypsies goin' through!

Maria—How much longer is this town goin' to 'low them people to come through here bringin' them moths an' things?—*Boston Herald*.

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway, - - - New York

SURPLUS BULBS

HYACINTHS	Per 100
Double Named	\$4.50
Double Unnamed	2.35
Single Unnamed	2.35

DOUBLE TULIPS	
Imperator Rubrorum	2.25
Rex Rubrorum	1.65
Superfine Mixed, early .....	.75

SINGLE NARCISSUS	
Princeps maximus	2.25
Golden Spur	1.75
Poeticus Burbidgei .....	.50

DOUBLE NARCISSUS	
Albo pleno odorato .....	.50
Von Sion, True Daffodil	1.00
Von Sion, Double Nose	1.80
Mixed .....	.80

POLYANTHUS NARCISSUS MIXED .85

To secure these prices must mention this paper.

JAMES VICK'S SONS, Rochester, N. Y.

To Clean Out

DUTCH HYACINTHS. A No. 1 Bulbs, Rose' Red, Dark Red, White Pure White, Blue Blush White, Light Blue, Dark Blue, and Yellow; all single, \$1.50 per 100; \$10.00 per 1000.

CALLA ETHIOPIA. Bulbs 1 inch Diameter, Fine Healthy Bulbs, \$2.00 per 100; \$15.00 per 1000.

30,000 Gladioli America Bulbets, \$5.00 per 100. Larger Lots Estimated.

Berrydale Experiment Gardens,
ROUTE NO. 1, BOX 54.
HOLLAND, - - - MICH.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100	6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 "	7 in. pots..100.00 "

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ROSES, PALMS,

and Novelties in Decorative Plants

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In ordering goods please add "I saw
it in HORTICULTURE."

Seed Trade

The Cannery and Their Allies.

Supplementing what was said in a previous issue about the conference between a committee of the Machinery & Supplies Association and the National Cannery Association, it may be said that after a more or less heated discussion of the matters at issue, it looks as if the cannery would be reasonable enough to meet their colleagues of the Machinery & Supplies Association half way, and if this proves to be true, there will be no serious difficulty in reaching an amicable adjustment of all difficulties between the two organizations. There is no reason why there should be any unpleasantness where each is willing to recognize the other as an independent organization, but as things have been conducted during the last few years, the Machinery & Supplies Association have been simply the tail of the dog and a very short one at that. It was remarked by one of the Machinery men that the governing party of the cannery regarded the Machinery & Supplies Association as an asset in negotiating for terms and other conditions desired by them at these annual conventions. To illustrate, it was said that the cannery had received an offer from the city of Toledo of \$3,500 if they would hold the next annual convention there, but whether this was demanded by the cannery cannot be definitely stated, although it is regarded as probable. Now with this \$3,500, together with an admission fee of \$2.00 to \$3.00 which the National Cannery Association proposes to charge the members of the Machinery & Supplies Association and their friends, the cannery would have a very tidy sum to bank after the convention, as it is estimated that at least another \$3,500 would be received in the form of admissions.

Taking everything into consideration, the cannery have shown marked business astuteness in the way they have worked not only the Machinery & Supplies Association, but all the members of their own organizations, both those who are members of the National Association and those who are not. There never has been any doubt that had the little body of men who are now in control of the Cannery organization, submitted this admission fee to a vote of their own organization, it would have been overwhelmingly defeated, therefore they have been very careful to refrain from doing this.

It is earnestly to be hoped that they will show due regard for the associate organizations, which have usually met with them in their annual conventions, to insure cordial co-operation between the different bodies, as either open or suppressed hostility is highly detrimental to the aims and purposes which all hold in common; that is, the development and success of the Cannery.

The fact that there will be no exhibits at the forthcoming convention at Atlantic City is generally regarded as operating against a large attendance, and in all probability the number present will not exceed half those that attended the two last conventions.

NEW SEED PHOENIX ROEBELENI

THE ONLY SEED TO BE OFFERED

SANDER

T. MELLSTROM 235 Broadway **New York**
Representative Room 1

Postage on Sealed Seed Packets.

It appears that the agitation as to classification of seed packets as first-class matter has had a favorable result. We learn through H. A. Bunyard of A. T. Boddington, that the acting Third Assistant Postmaster General has dug up a departmental regulation of direct application to the question at issue. This provides that merchandise sealed for the preservation of its contents is mailable at third class rates, etc., etc.

Postmasters who have made rulings of local application to the contrary have been notified to be good, and in one or two cases, at least, there is likely to be a change of administration in the local postoffices involved.

Danish Cabbage Seed Crop.

Hjalmar Hartmann & Co., Copenhagen, report that on the night of November 12 a snowstorm, of such extent that according to the meteorological observation was unsurpassed in 20 years, was followed by severe freezing and many cabbages and other vegetables intended for the market were entirely spoiled, winter coming so suddenly that no preparations had been made to cover the stock. This means a large loss to the inhabitants of Amager, who are growing all kind of vegetables for the Copenhagen market and for export to Russia, Finland and Germany. Considerable lots of cabbage intended for seeds for the American trade were affected by the frost.

Notes from Lompoc.

The acreage for sweet peas on the new Burpee farm at Lompoc, Cal., will be 37 acres this season. Mr. Lonsdale, in a letter, says that the paying crop in seed beans in that section is Kentucky Wonder, which is a big yielder and is easily threshed. The farmers do not like Lazy Wife or Sunshine Cluster, neither of which yield satisfactorily. Sunshine Cluster and Golden Wax are hard to thresh out clean. Kentucky Wonder is called Old Homestead in some catalogues. The Lima does not do well in Lompoc because the plant does not stop growing and producing in time to ripen up the crop.

Notes.

Shindler & Co., seeds and flowers, have been incorporated to do business in New Orleans, La. Capital \$5,000.

Alfred Thomas Bridgeman, traveling auditor of the D. L. & W. R. R., died at Morristown, N. J., December 12, as the result of a stroke of apoplexy. Mr. Bridgeman was the son of the well-

known seedsman, the late Alfred Bridgeman.

The Rhudy and Hall Seed Company of Kansas City, Kan., has bought for \$1,200 the stock of the William A. Duncan Seed Company of St. Joseph. Duncan filed a voluntary petition in bankruptcy, November 30. The sale was made through J. J. Garth, temporary receiver for the bankrupt firm.

The Ewing Seed Company, Nashville, Tenn., has been incorporated; capital stock, \$15,000; incorporators, W. B. Ewing, J. I. Newsom, Jr., B. R. Wilkerson and William B. Shelton; for the purpose of buying and selling seeds, fertilizers, florists' supplies, garden implements, poultry, supplies, etc.

CATALOGUES RECEIVED.

Chase Nursery Co., Huntsville, Ala.—Chase's Extra Special Bulletin, "Clean-up" Bargains.

Franz Birnstiel, Coburg—Illustrated catalogue and price list of Jardinieres, Fancy Flower Stands, Baskets, etc.

John C. Moninger Co., Chicago—"Boilers," an interesting descriptive list of the different types of heating apparatus offered by this house. Especially useful are the "Rules for Figuring Greenhouse Heating," given on page 19. Other tables and plans on the following pages will be found very instructive and helpful.

W. F. Cobb & Co., Franklin, Mass.—Catalog of Farm Seeds. Corn, oats and potatoes, northern grown, "None Except the Best," are the specialties in this well-printed catalog. "Catalog of Vegetable and Flower Seeds" is an attractive companion to the above, fully illustrated.

PATENTS GRANTED.

- 943,330. Pipe Coupling. John C. Yearke, Buffalo, N. Y., assignor of one-half to Albert F. Yearke, Buffalo, N. Y.
- 943,373. Hotbed. George H. Barbour, Pittsburg, Pa.
- 943,461. Hose Coupling. Charles E. Judkins, Coeur d'Alene, Idaho.

WOW!

Edward Moon, a prominent young farmer of Williamsfield, is something of a horticultural scientist. He has succeeded in producing an entirely new and strange weed of the hybrid class and he openly boasts of his skill and acumen along these lines, it being his opinion, openly expressed, that he has Burbank cheated to a fare you well.—Williamsfield, Ill., Times.

NEWS NOTES.

Richmond, Ky.—The establishment of the late A. Reichsparr has been bought by J. Christman, Jr.

Woodstock, Conn.—Charles Lindeman has closed up his nursery business and has gone to Hartford.

Mt. Tabor, Ore.—The greenhouses and business of F. J. Broetje have been purchased by Crout & Wilson.

Greensburg, Ind.—John L. Dille and William C. Konzleman will locate a flower growing business in this city.

Muscatine, Iowa.—Fred Kranz is nourishing a variegated sport of Enchantress carnation, which he has named "Mrs. Fred Kranz."

Appleton, Wis.—E. E. Niles of Oconomowoc, for a number of years landscape gardener for the St. Louis parks, has been engaged to draft plans for beautifying the campus and grounds of Lawrence college. The work will be started early in the spring.

South Orange, N. J.—The thief who has been stealing plants from greenhouses and residences in this neighborhood has been captured and is held for the grand jury. His name is given as Joseph Klincher. Joseph may find that New Jersey justice is another clincher.

Williamsburg, Ia.—The impression has been created that the Williamsburg Nursery Co. will soon move to Cedar Rapids. This is a mistake. The yard and office will be continued at Williamsburg for at least four years and the stock will be increased beyond the largest line ever carried.

3-Year Valley

1000—\$11.00. Case of 2500—\$26.00

Sold Out of Perfection.

WM. ELLIOTT & SONS,
42 Vesey St., New York.

MICHELL'S SEEDS BULBS ARE GOOD

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CABBAGE PARSLEY LETTUCE

Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.

Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.

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SUTTON'S SEEDS

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Flower Seeds of \$2.44
value and upwards for-
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The finest Seed Catalogue ever published; illustrated with nearly 260 photographic reproductions.

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C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

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Bulbs*

Lily of the Valley Pips

JUST ARRIVED.

Our usual high grade quality, also cold storage pips. Prices on application.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c.

oz \$4.00.

Pure White, Tr. pkt.

5 c. oz. \$5.00.

Also Beauty of Nice strains.

H. E. Fiske Seed Co., Boston, Mass.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillium Longiflorum Giganteum C. S. by the case of 300.

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Bound Brook, - - - New Jersey

MY GIANT CYCLAMEN

are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 100 Seeds \$6.00.

Above even mixed Tr. Pkt. 75c, 1000 Seeds \$5.00. For larger quantities, special quotation.

O. V. ZANGEN, Seedsmen, HOBOKEN, N. J.

SEED for FLORISTS

TRUE IRISH SHAMROCK

2 c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.

Trade list for Florists and Dealers only.

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Joseph Breck & Sons Corp.

47-54 NO. MARKET ST., BOSTON, MASS.

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LILY OF THE VALLEY PIPS.

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Longangsstraede 20,
COPENHAGEN, DENMARK.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

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any occasion, in any part of the Dominion.

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Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The Christmas
WASHINGTON rush is on; every-
where the Christ-
mas spirit is manifest. The florists'
stores are veritable flower gardens;
the present year rivaling all previous
years in display of specimen plants.
The distinguishing feature of practi-
cally every store is the unusually large
display of poinsettias and specimen
azaleas. There is still a marked scar-
city of red carnations and with the
thermometer taking a steady down-
ward tendency, prices have gone soar-
ing up. If indications stand for any-
thing this will be a banner year for
both the retailer and grower. There
are thousands of Christmas trees lin-
ing the sidewalks, but close up against
the buildings. One noticeable feature
of the retail stores this year is the
unusually large quantity of wreaths
being handled by them. Heretofore
this branch of the business has been

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London...Jan. 1

Cunard.

Sylvania, Boston-Liverpool...Jan. 4

Lusitania, N. Y.-Liverpool...Dec. 29

French.

La Touraine, N. Y.-Havre...Dec. 30

North German Lloyd.

Prinzess Irene, N. Y.-Bremen...Dec. 30

Kaiser Wilhelm, N. Y.-Br'm'n...Jan. 4

Red Star.

Zeeland, N. Y.-Antwerp...Dec. 29

White Star.

Laurentic, N. Y.-Liverpool...Jan. 1

Tentonic, N. Y.-S'hampton...Dec. 29

St. Paul, N. Y.-Southampton...Jan. 1

Cymric, Boston-Liverpool...Dec. 28

confined almost entirely to street ven-
ders and the market stalls. There is
a big demand for violets and lily of
the valley, as well as for pink sweet
peas and roses for debutantes.

NEW FLOWER STORES.

St. Louis, Mo.—F. A. Ryan Floral
Co.

Alameda, Cal.—H. Hayashi, Santa
Clara avenue.

Macomb, Ill.—F. E. Bonham, North
Randolph street.

Scranton, Pa.—Brown & Co., Poll
Theatre Building.

Los Angeles, Cal.—The Rosery.

Portland, Me.—L. J. Goddard, 631
Congress street.

Macomb, Ill.—F. E. Bonham, North
Randolph street.

Keweenaw, Ill.—E. F. Ingham, 126
North Main street.

Chicago, Ill.—The Studio Florists,
607 North State street.

INCORPORATED.

Laramie, Wyo.—Overland Gardens.
Incorporators, W. H. Mather, Mary
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\$5,000.

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Red Cedar, shapely and close, from \$4.00 per doz. up.
 Green Moss. Thin and fresh, per bag 75c.
 Cedar and Laurel Wreathing. \$40.00 per 1,000 yds.
 Pine Branches. Filled with Cones, per bdl \$1.00.
 Laurel Pine and Cedar Branches, per bdl 50c.

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Send flower orders for delivery in Boston and all New England points to

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Your orders for flower or plant delivery in Eastern New England to

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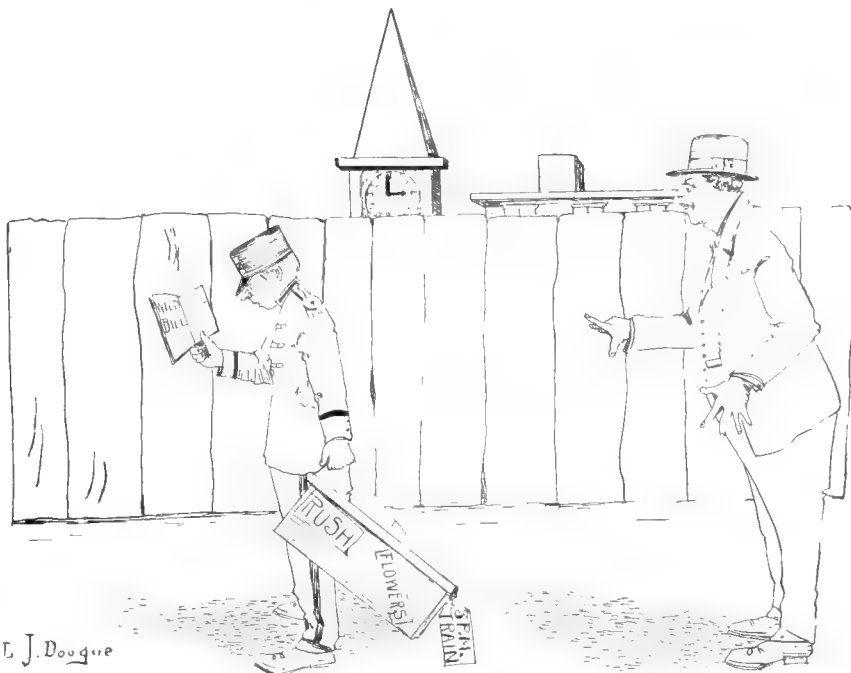
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 Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

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The best and cheapest Pot Cover now on the market.

New Reduced Price List.

To fit	4 in. Pots	Per doz.	Per 100
" "	" "	\$1.00	\$7.00
" "	" "	1.10	8.00
" "	" "	1.20	9.00
" "	" "	1.35	10.00
" "	" "	1.60	12.00
" "	" "	1.85	14.00
" "	" "	2.10	16.00
" "	" "	2.35	18.00

Order now. Covers can be had in pink, green, white and red. Specify whether you wish Covers to fit standard, $\frac{3}{4}$ or $\frac{1}{2}$ size pots.

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BOSTON

Inscriptions, Emblems, etc., Always in Stock

POINSETTIAS

\$3.00—\$5.00 per dozen.

Large well shaped flowers of a fine color.

BEAUTIES

Richmond — Killarney

The fine quality of our stock accounts for the large sales of these roses. Good value in all grades.

Business hours: 7. A. M. to 8 P. M.

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HOERBER BROS.51 Wabash Ave. Long Distance Phone
CHICAGO ILL. Randolph 2758**Cut Flowers****ALWAYS GOOD, FRESH STOCK**

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty**CUT EASTER LILIES**

Constant Supply. Finest Quality.

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MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG**
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Florists' SuppliesWe can supply everything used by the
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respondence solicited.**POEHLMANN BROS. CO.**

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Rice Brothers

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WHOLESALE FLORISTS and SUPPLIESCUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens — WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.In ordering goods please add "I saw
it in HORTICULTURE."**WELCH BROS.**AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO Dec. 21	TWIN CITIES Dec. 14	PHILA. Dec. 21	BOSTON Dec. 23
ROSES				
Am. Beauty, Fancy and Special...	95.00 to 100.00	30.00 to 40.00	100.00 to 125.00	95.00 to 100.00
" Extra.....	75.00 to 90.00	20.00 to 30.00	75.00 to 50.00 to 75.00	
" No. 1.....	50.00 to 60.00	15.00 to 20.00	50.00 to 60.00	50.00 to 60.00
" Lower grades.....	25.00 to 40.00	10.00 to 15.00	10.00 to 30.00	12.00 to 25.00
Bride, 'Maid, Chateaux, F. & S.....	12.00 to 20.00	6.00 to 8.00	15.00 to 20.00	20.00 to 25.00
" Lower grades.....	6.00 to 10.00	4.00 to 5.00	10.00 to 5.00 to 12.00	
Killarney, Fan, & Sp.....	12.00 to 20.00	6.00 to 8.00	25.00 to 40.00	20.00 to 25.00
" Lower grades.....	6.00 to 10.00	4.00 to 6.00	10.00 to 15.00	8.00 to 12.00
Richmond, Fancy & Special.....	25.00 to 50.00	8.00 to 10.00	35.00 to 50.00	20.00 to 50.00
" Lower grades.....	15.00 to 25.00	5.00 to 8.00	10.00 to 25.00	8.00 to 12.00
My Maryland.....	25.00 to 35.00	5.00 to 10.00	10.00 to 40.00	12.00 to 25.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	12.00 to 15.00	4.00 to 5.00	8.00 to 15.00	8.00 to 12.00
	6.00 to 8.00	2.00 to 3.00	5.00 to 6.00	4.00 to 6.00
MISCELLANEOUS				
Chrysanthemums, fancy.....	..... to	15.00 to 25.00	25.00 to 30.00	..... to
" ordinary.....	..... to	10.00 to 20.00	1.00 to 15.00	..... to
Cattleyas.....	..... to 100.00	40.00 to 60.00	85.00 to	50.00 to 75.00
Lilies.....	12.00 to 15.00	12.50 to 15.00	15.00 to	11.00 to 16.00
Lily of the Valley.....	3.00 to 5.00	3.00 to 4.00	3.00 to 6.00	3.00 to 4.00
Violets.....	1.00 to 2.00	.75 to 1.00	1.25 to 2.00	1.00 to 2.00
Mignonette.....	6.00 to 10.00	..... to	5.00 to 6.00	4.00 to 6.00
Sweet Peas.....	1.50 to 2.00	..... to	1.00 to 1.50	2.00 to 3.00
Roman Hy. Paper Whites.....	3.00 to 4.00	2.50 to 4.00	3.00 to 4.00	2.00 to 4.00
Stevia.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias.....	50.00 to 75.00	25.00 to 35.00	40.00 to 75.00	40.00 to 75.00
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to	1.00 to 1.50
Smilax.....	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	60.00 to 75.00	35.00 to 50.00	50.00 to .....	..... to 50.00
" & Spren. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	50.00 to to 50.00

The J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITEDSpecial attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
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Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!In our **GREENS DEPARTMENT** we have new crop Leucothoe, \$7.50 per 1000; \$1.00 per 100; Bronze Galax, the only stock in New England; Green Galax, new crop; New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

**Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.**

Flower Market Reports.

BOSTON This market, on December 23, is well supplied with practically everything in the way of seasonable cut flowers and the impression gained from an inspection of the wholesale marts is that there is little likelihood of any famine in any line. Business from out-of-town has been excellent, the demand for all Christmas greens having been exceptionally brisk and forecasting an equally lively flower call at the wind-up, but nothing sensationally insistent or indicating present or expected starvation has come to light and the conviction grows that, while it is probable we are to have the biggest holiday trade ever experienced, there will be a sufficiency of material to supply everybody. Quality appears to be very high as a rule. Single violets are superb and calls from New York and elsewhere would seem to indicate that in places where the doubles have had exclusive sway hitherto, the singles are likely to supplant them, as they have already done in this market, where doubles have had but little standing for several years. The plant trade has been very satisfactory, growers being well cleaned up on azaleas, Lorraines, poinsettias and other holiday specialties.

CHICAGO Chicago market just before Christmas, bore evidences of the fact that the long-looked-for cold weather is here. Whether the florists are experiencing as much benefit from this fact as they anticipated, is a matter of opinion. Still there is cold weather and cold weather. With the thermometer in the zero region for two weeks and flowers arriving frozen, the outlook for the holiday trade may naturally be a little depressing. At this writing there appears to be a general shortage, the carnation supply being the nearest to a sufficiency. Red carnations will be scarce and the price is away up. Roses of all kinds are in demand, red ones especially so. Beauties are at the top notch and many have come in frozen. Violets are of different prices, the California bringing \$1.25 on Tuesday, while the shorter house grown ones are 75c. The New York violets have shared the fate of other flowers and some of the shipments come in frozen and worthless. Sweet peas will be of good quality and quantity is limited. Altogether as Christmas draws near the outlook for stock is not of the best and those who have anything good to sell will doubtless get a good price for it.

Some fortunate growers were able to disbud and otherwise cultivate their Richmonds so as to get them at their best for Christmas; 36-inch stems are reached by some of the fortunate ones and orders were taken early in the week for later delivery at \$50.00 per 100. Tuesday the same grade brought from \$25 to \$35.

DETROIT It has been a hustle and a bustle all during last week to get enough material to satisfy the many demands of pleasure-hunting society. Supply at present is "between the frying pan and the fire"—dark cloudy weather and the secret desire to do a little pickling. Christmas trading opens very brisk and we are in hopes of hav-

NEW YEAR



EACH year, more entertaining at New Year's means more, and better business, and this year will find us in splendid shape to care for our patrons. Quality the usual P/M Standard.

Prices on Roses, Carnations, etc., about 25 per cent less than Christmas. Greens and other staples about the same.

Will be strong on Valley, Gardenias, Beauties, Killarneys, Marylands and Carnations.

S. S. Pennock-Meehan Co.

The Wholesale Florists of

1608-20 Ludlow St.,
PHILADELPHIA, - = PA.

1212 New York Ave., WASHINGTON, D.C.



WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Dec. 21	DETROIT Dec. 21	BUFFALO Dec. 21	PITTSBURG Dec. 21
ROSES				
Am. Beauty, Fan, and Sp.....	90.00 to 100.00	75.00 to 100.00	75.00 to 100.00	85.00 to 100.00
" Extra	50.00 to 75.00	60.00 to 75.00	50.00 to 60.00	60.00 to 75.00
" No. 1.....	30.00 to 40.00	50.00 to 60.00	25.00 to 40.00	35.00 to 50.00
" Lower grades.....	..... to	12.00 to 40.00	15.00 to 20.00	12.50 to 15.00
Bride, "Maid, Chateaux, F. & S.....	12.00 to 15.00	18.00 to 25.00	..... to 20.00	20.00 to 25.00
" Low gr.....	6.00 to 10.00	10.00 to 18.00	10.00 to 15.00	8.00 to 15.00
Killarney, Fan, & Sp.....	12.00 to 15.00	18.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Lower grades.....	6.00 to 10.00	10.00 to 18.00	10.00 to 15.00	8.00 to 15.00
Richmond, Fancy & Special.....	12.00 to 15.00	18.00 to 25.00	20.00 to 25.00	25.00 to 35.00
" Lower grades.....	6.00 to 10.00	10.00 to 18.00	15.00 to 20.00	20.00 to 25.00
My Maryland.....	..... to	10.00 to 25.00	5.00 to 25.00	15.00 to 25.00
CARNATIONS, Novelties and Fancy				
" Ordinary	8.00 to 10.00	6.00 to 10.00	..... to 8.00	6.00 to 12.00
"	6.00 to	4.00 to 6.00	4.00 to 5.00	..... to 4.00
MISCELLANEOUS				
Chrysanthemums, Fancy	25.00 to .....	..... to	20.00 to 25.00	..... to
" Ordinary.....	15.00 to .....	..... to	8.00 to 10.00	..... to
Cattleyas.....	..... to	75.00 to 100.00	..... to	75.00 to 100.00
Lilies.....	12.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 5.00	4.00 to 5.00	3.00 to 5.00
Violets.....	1.50 to 2.00	1.50 to 2.00	1.50 to 2.50	1.50 to 2.50
Mignonette .....	..... to	4.00 to 8.00	3.00 to 6.00	6.00 to 8.00
Sweet Peas.....	4.00 to	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50
Roman Hy. Paper Whites.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Stevia.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Gardenias.....	..... to	35.00 to 50.00	..... to .....	..... to
Adiantum.....	1.00 to	1.50 to 2.00	..... to 1.50	..... to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	..... to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100)	..... to 50.00	3.00 to 5.00	25.00 to 50.00	30.00 to 60.00
" & Spreng. (100 bchs.)	..... to 35.00	30.00 to 50.00	25.00 to 50.00	35.00 to 60.00

ing a better holiday at better prices than ever. This may sound somewhat sanguine, but is good logical calculation. Most of the stores have exten-

sive society affairs booked for this week as well as the week after Christmas.

(Reports continued on page 933)

FORD BROTHERS

48 West 28th Street NEW YORK

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ORCHIDS A SPECIALTY****THE HIGHEST
GRADE OF VALLEY ALWAYS
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Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Dec. 18 1909		Holiday Prices December 21	
American Beauty, Fancy and Special.....	25.00	to 35.00	40.00	to 75.00
" " Extra.....	12.00	to 20.00	25.00	to 35.00
" " No. 1.....	6.00	to 10.00	12.00	to 20.00
" " Lower Grades.....	1.00	to 4.00	4.00	to 8.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	6.00	to 8.00	12.00	to 15.00
" " Lower Grades.....	1.00	to 4.00	3.00	to 8.00
Killarney, Fancy and Special.....	6.00	to 10.00	10.00	to 20.00
" " Lower Grades.....	1.00	to 4.00	3.00	to 8.00
Richmond, Fancy and Special.....	6.00	to 10.00	15.00	to 30.00
" " Lower Grades.....	1.00	to 5.00	4.00	to 10.00
Ply Maryland.....	1.50	to 10.00	4.00	to 20.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	5.00	to 10.00
" " Ordinary.....	1.00	to 2.00	3.00	to 4.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
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NEW YORK
Telephone 3559 Madison Sq.

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CONSIGNMENTS SOLICITED.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
18-40 BROADWAY, DETROIT, MICH.

Count your spoils in the boxes of

MEYER GREEN SILKALINE

— AND —

THEN COUNT THE OTHER PARTIES

John C. Meyer & Co., Boston and Lowell, Mass.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.
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For Sale by all Supply Houses

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J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 931)

Genuine winter INDIANAPOLIS weather is here and a healthful tone pervades the cut flower market. There is no longer an over-supply of anything. Prices have hardened and the quality of the goods is now perfect. Beauties have been in fair demand and a few specials reached record figures for the season to date. Of other roses some remarkable stock of My Maryland, Killarney and Richmond are arriving. Three and one-half foot stems on these and a good lively demand for some. Bride and Bridesmaid, however, are not relegated to the discard by any means and the best of them are bringing top-notch prices. The demand for orchids cleans up the market daily at good figures. There will be very few chrysanthemums left for the holidays. Carnations are all high grade now; even the smallest growers have high-class quality only. Of bulbous stock there is ample supply. Peas, lily of the valley, cypripediums, violets, callas and lilies are in good supply and move well. All things considered, the outlook is bright and cheerful and there seems to be no reason why wholesaler, retailer and grower should not have the best Christmas ever.

The usual lull which precedes the holiday uproar has prevailed throughout the wholesale flower districts during the first half of the week. The market is well supplied with most of the regular staples and it seems probable that, of roses and carnations especially, there will be a plentiful supply in readiness for the contemplated rush of Friday and Saturday. There is in evidence a good crop of American Beauty, Maryland, Killarney and a sufficiency of Bride and Bridesmaid roses and the quality is fine all through. While the carnation crop is not particularly heavy no shortage is feared. The call, up to the time of making this report, is quite limited.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

Cattleyas.....	40.00	to	75.00
Lilies.....	6.00	to	8.00
Lily of the Valley.....	2.00	to	5.00
Narcis. Paper White.....	1.50	to	2.00
Chrysanthemums.....	8.00	to	15.00
Lower Grades.....	5.00	to	6.00
Violets.....	.40	to	.75
Sweet Peas (per 100 bchs).....	6.00	to	10.00
Gardenias.....	15.00	to	35.00
Adiantum.....	50	to	.75
Smilax.....	8.00	to	12.00
Asparagus Plumosus, strings.....	16.00	to	25.00
" & Sprea. (100 bchs).....	20.00	to	25.00

Last Half of Week
ending Dec. 18
1909

Holiday Prices
December 21

40.00	to	75.00
10.00	to	12.00
2.00	to	4.00
1.50	to	2.00
8.00	to	15.00
5.00	to	6.00
.50	to	1.25
8.00	to	12.00
8.00	to	50.00
.50	to	1.00
10.00	to	12.00
20.00	to	25.00
20.00	to	25.00

Violets move rather reluctantly and gardenias and lily of the valley lack the snap of two weeks ago. Orchids are holding their own in good shape. Chrysanthemums are about closed out.

For the week PHILADELPHIA before Christmas conditions proved

better than expected, as there is usually a lull from about the 11th to the 18th. Business was really better for the week than it has been for some years back, which augurs well for Christmas trade. At this writing (December 20th), prices have jumped in many lines—two days earlier than the date set for the usual holiday figures. This is notably the case with carnations and violets. There have been a few dull days lately, which has doubtless had some effect in keeping stock back. American Beauty roses as a general thing are in splendid shape—better than for years. The track seems all clear for a magnificent business and we hope to give a good report next week. As supplementary to the quotations in regular prices current, the following seasonable items should be added: Roses—Liberty fancy and special, \$35 to \$50, lower grades, \$10 to \$15; Mrs. Jardine, \$12 to \$25; Perle and Sunrise, \$12. Poinsettias, \$25 to \$50. Callas, \$25. Daisies, white, \$3; yellow, \$4. Snapdragon, \$15. Bouvardia, \$5 to \$6. Cypripediums, \$15. Dendrobiums, \$50. Adiantum Farleyense, \$15 per 100.

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Leucothoe Sprays Green, \$2.00 " "
 Bronze 3.00 " "

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Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

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W. J. COWEE, BERLIN, N. Y.

5,000....\$1.75; 50,000....\$7.50. Sample free.
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Ageratums, fine purple, rooted cuttings, 50c. per 100; \$4.00 per 1000; 3 in., 3c. each. W. E. Trimble Greenhouse Co., Princeton, Ill.

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Alternantheras, red and yellow, rooted cuttings, 50c. per 100; \$4.00 per 1000. Cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus plumosus, 2½-in., \$2.50 per 100; Sprengeri seedlings, 1c., \$9.00 per 1000; Sprengeri, 2½-in., 2½c.; 3-in., 5c.; 4-in., 10c. cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

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Iris, Peony and Phlox Manuals, 25 cts. each in stamps. C. S. Harrison, York, Nebraska.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Knight & Struck, New York, N. Y.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

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Joseph Heacock Co., Wyncote, Pa.

New Carnation Dorothy Gordon.

Well rooted carnation cuttings. Enchantress, \$2.50 per 100; \$20.00 per 1000.

White Perfection, \$2.50 per 100; \$20.00 per 1000. Pink Lawson, \$2.00 per 100; \$15.00 per 1000. Rose-pink Enchantress, \$3.50 per 100; \$30.00 per 1000. Red Beacon, \$3.00 per 100; \$25.00 per 1000. Red Victory, \$2.50 per 100; \$20.00 per 1000. Winsor, \$2.50 per 100; \$20.00 per 1000. Variegated Mrs. Patten, \$2.50 per 100; \$20.00 per 1000. Cash.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Chrysanthemums Rooted Cuttings.

Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUM STOCK PLANTS. at reduced price for this week, to clear benches. Golden Glow, Pacific Supreme, G. S. Kalb, October Frost, Polly Rose, Early Snow, Clem. Touset, Ivory, Byron, W. Bonnaffon, White Cloud, Merza, Glory of Pacific, Roserie, P. Ivory, Duckham, Dr. Enguehard, Monrovia, Halliday, Pitcher, Bonnaffon, Baby etc., at 3c.; Poehlmann, Golden Eagle, 5c.; Gloria, 10c.; Baby Margaret, 15c. Send for list of 50 varieties.

Stafford Floral Co., Stafford Springs, Conn.

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CHRYSANTHEMUMS — Continued

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Mrs. Kalb, Estelle, White Bonnaillon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Maud Dean, Pink Ivory, Rosette, Amorita, Major Bonnaillon Creme, Halliday, Yellow Jones, Golden Glow, Baby, 50 cents per doz.; \$1.00 per 100. Golden Eagle and Baby Margaret, \$1.50 per dozen; \$10.00 per 100. William Swayne, P. O. Box 215, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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CINNAMON VINES—Big stock, extra large bulbs. C. Betscher, Canal Dover, O.

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Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

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Folding cut flower boxes, the best made Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

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Dracaena indivisa. 3-in., 5c.; 4-in., 12c.; fine field-grown stock, ready for 5 and 6-in. pots. Cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

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Frank Oenslin, 4911 Quincy Street, Chicago.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Ferns for Dishes in six varieties, good bushy plants, 2½ inch, \$3.50 per 100; \$30.00 per 1000. H. Hansen, 106 Avon St., Malden, Mass.

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Wizard Brand Cattle Manure.

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Agricultural Lime.
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FLOWER POT COVER

Ever Ready Flower Pot Cover Co., Buffalo, N. Y.
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Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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T. J. Ray & Co., Elk Park, N. C.
Galax, Ferns, Leucothoe, Etc.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

Geraniums Ricard, S. A. Nutt, Buchner, from 2 and 2½ in. pots, extra fine lot of strong, cool-grown plants; \$2.25 per 100; \$20.00 per 1000; and mixed \$2.00 per 100, \$18.00 per 1000. J. R. Brooks, Oxford Depot, Orange Co., N. Y.

100,000 geraniums. Our stock is in fine shape and includes the following superb bedders: S. A. Nutt, Beauty Poltevine, Alphonse Ricard, double Gen. Grant, E. G. Hill, John Doyle, Columbia, La Favorite, Snow Queen, Mrs. Perkins, Mme. Salleron, Variegated S. A. Nutt, Rose-leaf, Ivy, Chas. Turner and La Rosiere, rooted cuttings, \$1.50 per 100, \$15.00 per 1000; 2 in., \$2.00; 2½ in., \$2.50; 3 in., \$4.00; 4 in., \$7.00 per 100. Cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

Geraniums, strong 2 in. stock, Nutt, Heteranthe, Jean Vland, La Favorite, L'Aube, Hill, \$2.00 per 100; \$18.00 per 1000; our selection, \$17.00 per 1000. Pamela, \$4.00 per 100. Anastasie Lecadre, \$3.00 per 100. Red Wing, best novelty of the season, 25c. each; \$2.50 per doz. Write for Geranium Catalogue. F. H. De Witt, & Co., Wooster, Ohio.

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E. S. Miller, Wading River, N. Y.
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J. L. Moore, Northboro, Mass.
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Surplus stock of choice named gladioli. Also bulbs and bulblets from my private collection at bargain prices. L. Merton Gage, Orange, Mass.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

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Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pommert, Prop., Amelia, O. Largest gold fish hatchery in the world.

Gold Fish, Aquarium Plants; largest variety in the country. Send for price-list. Franklin Barrett, 4815 D St., Phila., Pa.

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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1339-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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- Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

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Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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- B. L. Brickley, Shell Creek, Tenn.
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HEATING APPARATUS

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HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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HOLLY

Holly wreaths. Box holly. Holly wreaths a specialty, in large and small quantities. Selected box holly. Write for prices. H. E. Conwell, Milton, Del.

HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.

HOT-BED SASH

- The A. T. Stearns Lumber Co., Neponset, Mass.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Lord & Burnham Co., 1133 Broadway, N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.

INSECTICIDES.

- Nicotide kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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- Stump & Walter Co., 50 Barclay St., New York.
Kiln-dried Tobacco Dust.
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- B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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- Geo. E. Talmadge, Inc., Madison, N. J.
Aphine.
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- H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

- J. A. Peterson, Cincinnati, Ohio.
Iris Pallida Dalmatica.
- E. S. Miller, Wading River, N. Y.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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Japanese Air Plants.

KENTIAS

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- A. Leuthy & Co., Roslindale, Mass.
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- LILY OF THE VALLEY PIPS**
Hjalmar Hartmann & Co., Langangstraede 20, Copenhagen, Denmark.
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- Wm. Elliott & Sons, New York, N. Y.
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LOBELIAS

Lobelia Kathleen Mallard, strong, well rooted cuttings, \$1.00 per 100; 2-2-in., \$2.50 per 100. Cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

MADEIRA VINES

MADEIRA VINES—Big stock, extra large bulbs. C. Betscher, Canal Dover, O.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NURSERY STOCK

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American Nursery, Bagshot, England.
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- P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.
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- W. & T. Smith Co., Geneva, N. Y.
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Boxwood and Evergreens.
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
EILWANGER & BARRY, Rochester, N. Y.
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Importers, Exporters, Growers, Hybridists.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordones Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigbbum Arrived.
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- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price, \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

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Cocos Weddelliana.

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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PELARGONIUMS

Pelargoniums. Mme. Vibert, Sandford's Surprise, Mme. Loyal, Linda, Dorothy, Mrs. Robt. Sandford, Mme. Thibault, strong 2 in., \$6.00 per 100. F. H. De Witt & Co., Wooster, Ohio.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PHOENIX ROEBELENI

New Seed.

Sander & Sons, New York, N. Y.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of \$1.00. Barton, 110 Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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POT HANGERS

Pot hangers. Kramer's, \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill. Primroses Obconica and Chinsensis.
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Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronaderfer, Lattmanns Hybrida, 10 colors mixed, 2 inch 2c.; Obconica gigantea, mixed, 2 inch 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primula obconica, 4-inch, large plants, mixed colors, full of bud and bloom, \$5.00 per 100. Sinensis, 4-inch, mixed colors, double and single, fine stock, \$8.00 per 100. A bargain. Try Them. Alonzo J. Bryan, Washington, New Jersey.

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John Waterer & Sons, Ltd., American Nursery, Bagnot, England.
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Hardy Roses.

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The Rose, by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 13 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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SMILAX

Smilax 2 in. Extra Strong, \$1.25 per 100; \$10.00 per 1000. Stafford Floral Co., Stafford Springs, Conn.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

A full stock of moss on hand all year around. Sphagnum moss, \$1.50 per bale; sheet green moss, \$2.50 per bbl.; clump moss, 75c. per bag. H. Kenney, 88 Rochester Ave., Brooklyn, N. Y.

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

In writing to Advertisers kindly mention Horticulture

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CHICAGO NOTES.**Flower Shipments and the Cold Weather.**

The cold weather of the week before Christmas made the florists rather look for a change, but the last week is here and Monday morning early, the thermometer registered three below, and all day long the cold was intensified by a sharp, cutting wind. Any packages not properly wrapped and many that were, could not withstand the intense cold while waiting on a platform. The losses will no doubt foot up to a great amount when they are all known.

The E. F. Winterson Co. has lost many valuable flowers because they were shipped without sufficient wrapping. 200 American Beauties and 400 Roman hyacinths were a part of one lot that the grower will lose while gaining experience.

There are very few of the eastern shippers who send either plants or flowers to this market who will not have a loss to put on their books, where they had expected a good sum on the other side.

Harry Rowe had some beautiful heathers come in from New York frozen. He immediately placed them in cold storage and they completely recovered.

Chrysanthemums.

Mathew Evert and son, John Evert, chrysanthemum specialists, closed out the last of their blooms Tuesday. A. W. Meyer of South Holland, Ill., has been selling blooms of his new pom-poms in the Flower Growers' Market up to Christmas and there will be

some even later. They are single, with a fluffy twisted petal and come in white, yellow and pink. They are not yet named.

Moninger's New Building.

The new brick warehouse of the Moninger Co., is nearing completion. It is two stories high, 56x75 feet, and is equipped with all the latest improvements. It has iron windows and doors and is to be used exclusively for heating pipe and fittings. The Moninger people have an optimistic outlook for the new year because there are many planning new buildings, which is a good indication of an increase in business. Their new complete catalogues are just out.

Visit of Gifford Pinchot.

Gifford Pinchot, chief of forestry, was in Chicago last Monday, attending a conference of railroad magnates. His plea was for the railroads to take up the replanting of forests. It was suggested in return, by Pres. H. N. Mudge of the Rock Island road that it would be well for the government to take up this work as many think the railroads will be owned by the government within fifty years. Mr. Pinchot was assisted by assistant forester R. S. Kellogg with facts and figures regarding reforestation. Mr. Pinchot is opposed to the present laws regarding taxation of timber lands.

Miscellaneous.

Trees to the value of about \$200 have been cut down and stolen from the home of Dr. Geo. Fiske on Sheridan Road. It is the opinion of the police that they were taken to be sold as Christmas trees. Residents of Lake Forest have had to employ watchmen to guard their cedars.

The usual amount of artificial decorations are used in the big department stores, but it is usually where the natural could not be used and when it is well done no doubt has its lesson which may perhaps result in good to the florist later.

The Midwinter Flower Show of the West Chicago Park Commissioners will open Sunday, December 19, in the Garfield Park Conservatory, under the supervision of John Sell, head gardener for the West Park system.

Personal.

Anton Then has the sympathy of the trade in a succession of disasters which have fallen to his lot recently. His son is just recovering from an illness, a valuable horse died and another seems likely to follow, his heating plant went wrong and the houses barely escaped freezing and now his daughter is ill. Those who know Mr. and Mrs. Then and their family, know there is plenty of grit and expect the tide to turn again soon.

Mr. and Mrs. Geo. Walther are receiving the congratulations of their friends. Mr. Walther has been in the florists' business on 63rd street, Chicago, many years and Mrs. Walther was Miss Margaret Hill, formerly of Maywood, daughter of the well-known florist of that suburb. Mr. Walther is manager of the Flower Growers' Market, successor to Percy Jones.

Miss Frances Brundage of the E. H. Hunt Co., will spend Christmas at Galesburg, Ill.

H. H. Knope with J. Breitmeyers' Sons of Detroit, was a Chicago visitor.

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Crawbuck, G.W. 932	Michell H. F. Co. 927		
	Michigan Cut Flower Ex. 933		
Danker, F. A. 928	Millang Bros. 932		
Dards 929	Millang, Chas. 932		
Dawson, Henry S. 910-912	Millang, Frank. 932		
De Nave, Paul. 921	Miller, E. S. 923		
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Dorner & Sons Co. 911	Moore, Hentz & Nash 932		
Dow, Geo. E. 927	Moore, J. L. 921		
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Durand & Mahorn 932			
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	Niessen Leo Co. 930		
Eastern Nurseries 910-912	Oechslein, Frank. 921		
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Ernest, W. H. 942	Park Floral Co. 928		
Ever Ready Flower Pot Co. 929	Parshelsky Bros. 942		
Eyres 928	Patten & Co. 911		
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Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

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You will help us
and
We shall try to help you.

Tell your Friends that
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It's Worth the Price.

Obituary.

Geo. H. Cornell.

George H. Cornell, who for about twenty years conducted a florist business with greenhouses on Hamlet avenue, Woonsocket, R. I., died at the home of his daughter in that city, Friday, December 17th. He was born in Connecticut about seventy-five years ago; located in Woonsocket about thirty years ago. He was well-known to the florists of Providence, and in fact, to the whole Blackstone valley a quarter of a century ago. Ill health had prevented active business for some years past.

We have received from one of Mr. Cornell's business competitors a most affectionate tribute to his memory, saying that in all the rivalry of business for a score of years he can recall nothing but uniform courtesy and kindness. Mr. Cornell was an oversensitive man and strangers sometimes thought him uncongenial, but closer acquaintance changed that opinion. The commercial instinct was not strong in him and his financial gains were not in proportion to the artistic ability of the man. His enjoyment of a new flower or plant was almost child-like. He was seldom seen away from the greenhouse without a flower in his button-hole or fingers. Few of the craft remember him now, so completely had he dropped out of sight. So soon we become even less than a memory.

Nardy Pere.

The death is announced at Hyeres of Monsieur F. Nardy on December 11th. This grand old man of Provençal horticulture had for fifty years been a contributor to the world's horticultural press and in 1875 was appointed delegate of the French Government to the Centennial Exposition at Philadelphia.

Upon his return to France he brought with him the first plants of the famous Amsden peach which, because of its extreme precocity, revolutionized the peach-growing industry of France.

His "Guide Pratique du Jardinier," the fruit of the labors and observations of a life-time, his writings in the periodical press and his "Cultures des Regions Mediterraneennes" are to be found on the bookshelves of all serious-minded cultivators from the Spanish to the Italian frontiers.

His son, Francois Nardy, is a member of the Toulon Chambre de Commerce and president of the Syndicat des Commerçants of Hyeres as well as director of the Jardin d'Acclimatation of Hyeres.

Mrs. Olive Burbank.

Mrs. Olive Burbank, mother of Luther Burbank died last week at her home in Santa Rosa, Cal. She was born 96 years ago in Massachusetts.

PORTLAND'S ROSES.



Portland, Ore., has grown famous for her roses, and, whereas in California, while there may be flowers blooming at all months of the year, the floral display is not actually foisted upon you; in Portland the roses, in the summer, are literally everywhere.

In the delightful suburbs of this far northwestern city, it is the custom to have a strip of lawn between curb and

sidewalk. In this, trees are planted of such sort as to throw shade on the walk. Then to make the stroll so much the more delightful, just next this paving, on the inner side, even the poorest suburbanite will run a row of rose-stocks. Neighbors arrange to vary these, so that as one man's plants cease blooming, the next begins to blossom, and thus at no time, when the snows are gone, is Portland devoid of its roses.

FELIX J. KOCH.

FUNERAL OF W. K. HARRIS.

The token sent by the Florists' Club of Philadelphia to the funeral of their esteemed fellow member and ex-president, William K. Harris, was the regular club token—a crescent wreath on easel; but in this wreath a great amount of sentiment was evident. The groundwork of the wreath was ivy leaves with some sprays of Ficus repens, the cluster being composed of foliage of crotons, pandanus, panicum and adiantum with white camellias and flowers of Daphne Indica—all the foliage and flowers being supplied by John Westcott—the easel being draped with evergreens from Waretown, a place Wm. K. Harris loved to visit as the guest of his old friend Westcott.

The funeral was very largely attended, all the principal florists and seedsmen being present. The pallbearers were John Westcott, Robt. Craig, Geo. Anderson, J. Wm. Colflesh, John Burton and Chas. H. Eimerman.

DAVID RUST.

PUBLICATIONS RECEIVED.

The S. A. F. Report.

We have received a copy of the annual report of Secretary W. N. Rudd and find it a very interesting volume, comprising 270 pages of information, valuable not only to the members of the Society but to all other progressive horticulturists who ought to be members. Secretary Rudd is a resourceful man and experienced official and has incorporated a number of new features which will be found very useful. Of these we mention the extended financial report and auditing in detail,

a complete list of the members enrolled at the first convention twenty-five years ago, a general report on the progress of ornamental horticulture at the experiment stations, a report for the year by the botanist of the Society, Prof. J. F. Cowell, the rules relating to the management of the trade exhibition at Cincinnati, full financial report of the National Flower Show at Chicago, and some interesting membership statistics. The printed list shows a total of 219 life members and 776 annual members—995 all told. A praiseworthy feature of the membership list is the record, after each name, of the year in which continuous affiliation began.

The book is well printed and contains a frontispiece portrait of President Valentine, also a number of illustrations in connection with Dr. Gallo-way's paper on the "Floricultural Work of the U. S. Department of Agriculture."

A Book Worth Having.

Rambles on the Riviera, by Francis Miltown, although not a new book this year, is worthy of a word of recommendation to horticultural readers, especially at this season of gift bestowing, for it is sure to make an acceptable holiday present. Horticultural topics are only incidentally touched upon but the book is descriptive of one of the most romantic and bewitching touring-grounds in the world and one that has much of horticultural interest attaching to it. The author has a most delightful, chatty way of tripping from one point of in-

terest to another and the reader is soon absorbed in the crisp, terse pen pictures with which the pages teem. The book is handsomely illustrated with seventy-five original drawings of which about one-half are full-page pictures. L. C. Page & Co., Boston, are the publishers.

GREENHOUSES BUILDING OR CONTEMPLATED.

New Orleans, La.—H. Redfeld, one house.

Sabetha, Kans.—E. H. Marshall, one house.

Jackson, La.—W. J. Brown, range of houses.

Lenox, Mass.—R. W. Paterson, orchid house.

Skaneateles, N. Y.—J. G. White, carnation house.

Ionia, Mich.—Miss E. Davis, one house, in spring.

Auburn, N. Y.—Geo. Dobbs & Son, one house, 40x165.

Bernardsville, N. J.—J. H. Talmadge, one house.

New Philadelphia, Ohio.—T. B. Stroup, rose house.

Hammond, La.—B. F. Bauerle, cucumber house, 25x240.

Tuckhoe, N. Y.—M. A. Schnoor, range of houses, in spring.

Grand Forks, N. D.—Grand Forks Greenhouse Co. One house.

Lake Charles, La.—C. D. Otis, range of houses, in spring.

Spring Forge, Pa.—William Ness, range of houses, in spring.

So. Paris, Me.—E. P. Crockett, house, 26x50, with office building.

Kalamazoo, Mich.—G. Van Bochove & Bro., range of houses, in spring.

Grand Rapids, Mich.—Eli Cross, two houses, in spring. Crabb & Hunter, range of houses, in spring.

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25 lbs., \$1.00 100 lbs., \$3.00 1000 lbs., \$27.00
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Send to us for testimonials from growers using them.

Price \$2.50 Each

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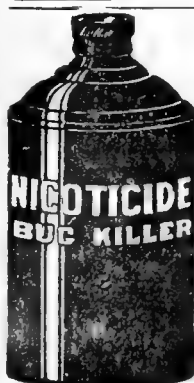
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Will positively destroy SAN JOE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Write to

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*green Flies and
Black ones too*

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It costs 15 cts. to thoroughly fumigate a house 100x25.

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Florist Specialties
KEYSTONE CEDAR
PLANT TUBS



	Diam.	Each.	Dox.	100.
A 11 in.	.65	7 15	55.00	
B 12 1/4 "	.75	8.25	65.00	
C 13 1/4 "	.85	9.35	75.00	
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Three largest sizes have handles.

Special PAIL TUBS.
8 inches, .30 3.50 28.00
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/4 "	5.25	120 7 "	4.20
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1000 3 "	5.00	HAND MADE	
800 3 1/2 "	5.80	48 9 in. pots in crate	\$3.60
500 4 "	4.50	48 10 "	4.80
456 4 1/2 "	5.24	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
210 5 1/2 "	3.78	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
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ALL THE STANDARD SIZES

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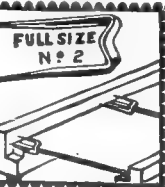
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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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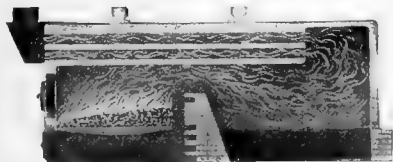
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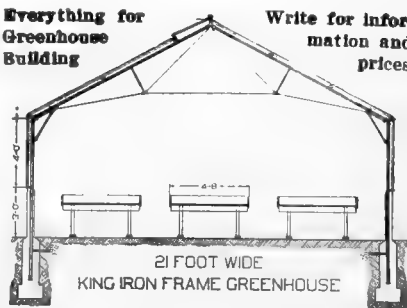
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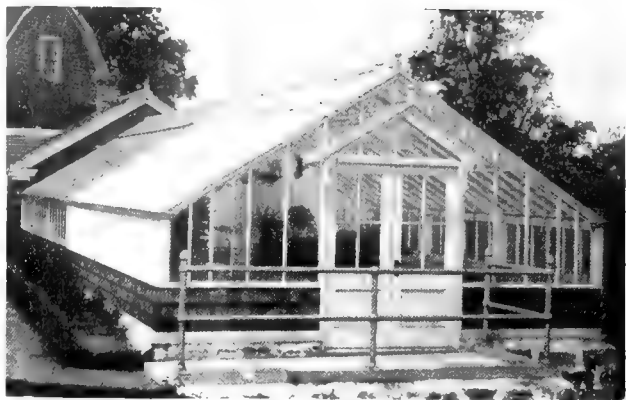
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